



LONGRIFLE



- **This brief outlines information Pilots are required to be familiar with prior to conducting training at MCB Camp Pendleton.**
- **Pilots shall read all pertinent sections contained within Base Order P3500.1N.**
- **Chapter four describes aviation training regulations.**

Overview

- **Camp Pendleton Airspace**
- **Lost Communication Procedures**
- **Range and Training Areas**
- **RTA Transition**
- **Noise Abatement**
- **TERF**
- **HOLF (Helicopter Outlying Field) Operations**
- **Aviation Ordnance Delivery**
- **Range Operations Division Intranet**

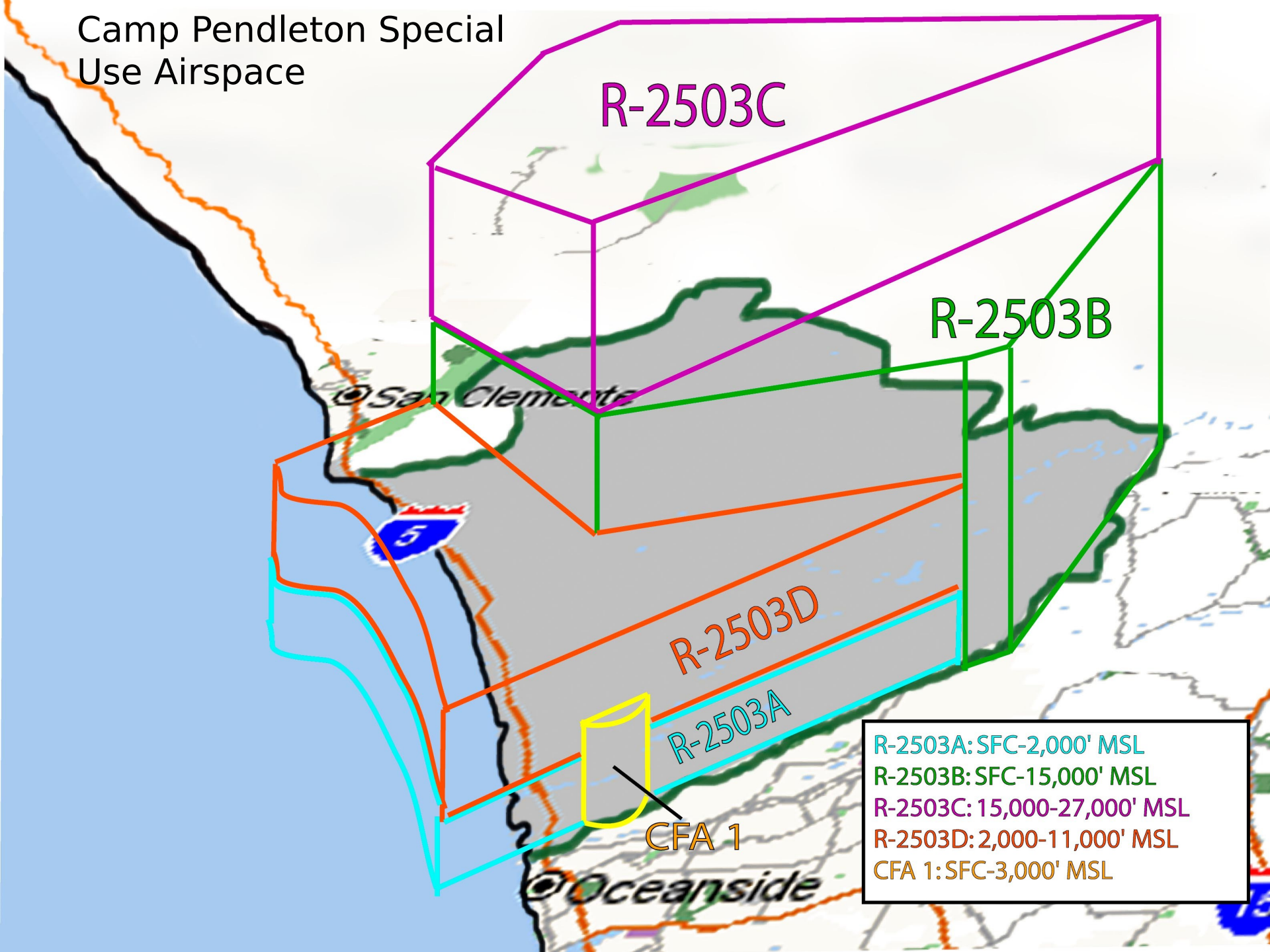
Camp Pendleton
R-2503 A/B

8 May 06

VFR traffic 17,500 and be

R-2503

Camp Pendleton Special Use Airspace



**Camp Pendleton
Special Use Airspace**

**VICTOR 23
AIRWAY**

(4,000 - 17,000)

4NM

3NM

**R-2503D
2-11K**

**R-2503C
(15,000-
27,000)**

**R-2503B
(SFC- 15,000)**



**R-2503A
SFC-2,000**



Longrifle

- Check-in/out 301.9, 123.2, or 30.35
- Not ATC; provides Traffic Advisories
- Limited Radar Coverage
- Maintain radio contact and VMC
- Employ vigilant VFR “see and avoid”
- Secondary nets used for CAS,
VERTREP,
, HOLF, Aerial Gunnery, Etc. - 255.2 or
249.9

Camp Pendleton inland training areas consist of 125,000 acres of live-fire ranges, impact areas, and training areas.



Training Facilities

GROUND

- **31 Training Areas**
- **5 Beaches**
- **87 Live Fire Ranges**
- **14 Impact Areas / 3 for dud producing ordnance**
- **12 Live-Fire & Maneuver Areas**

AVIATION

- **9 Parachute Drop Zones**
- **HOLF, LHD pad, VTOL pads 1 & 2, HLZ pad**
- **38 Helo Tactical and Admin LZs**
- **20 Helo CAL sites**
- **6 Helo TERF Routes**
- **4 TERF Maneuver Areas**
- **3 Primary F/W CAS Routes**

AIRSPACE

- **R-2503 A, B, C and D Restricted Airspace**
- **Controlled Fire Area (CFA) 1**

Military Training Areas

Camp Pendleton Military Training

- Firing Ranges
- Mortar Firing Areas
- Artillery Firing Areas
- Drop Zones
- CAL Sites
- HLZ/ VSTOL/ LHA
- HOLF
- TERF
- FW CAS
- HELO Transit
- LFAMS

Fallbrook
Naval Weapons
Station

Fallbrook

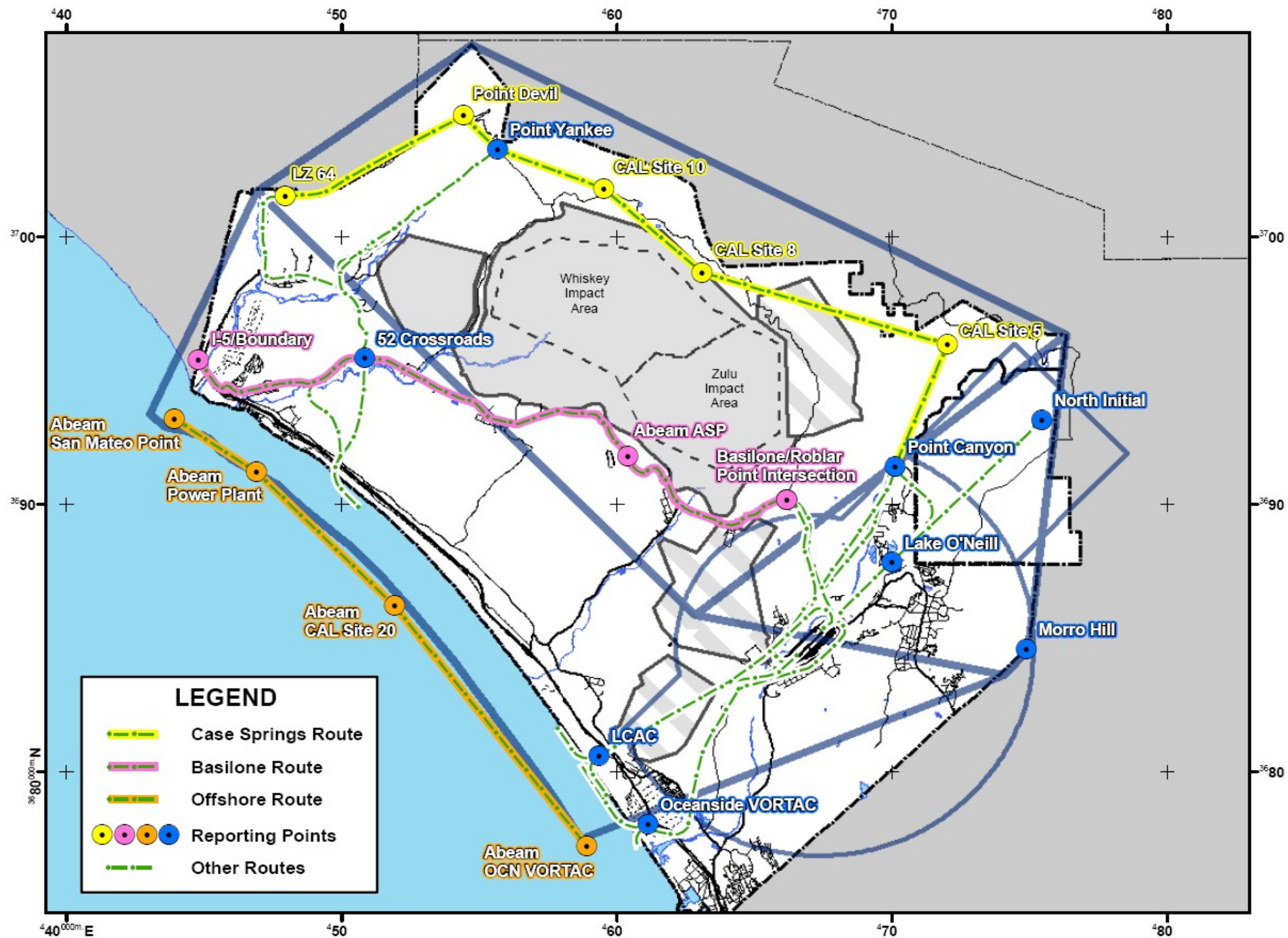
Oceanside

San Clemente



Avoiding Key Ground Firing Areas

- **Edson & X-Ray Impact Areas:** 1,000' AGL
- **Whiskey Impact Area:** Stay N OF CALS 8, 9, & 10
- **Quebec Impact Area:** Stay West of San Mateo
- **R-409:** Stay N OF CALS 7 & 8
- **AFA's (Artillery Firing Areas):**
 - **5** DZ DeLuz/ CAL 5
 - **14, 15, & 16** Along beach near



Aircraft transiting the beach, unable to transit via the Offshore Route, shall be directed to transit the coast or I-5 Freeway at/or above 1,500' AGL whenever beach aviation facilities are in use!

When A/C training on the beach have completed training, A/C should transition offshore (While Climbing) to avoid conflicts with other A/C working the beach.

San Clemente Noise Abatement Areas

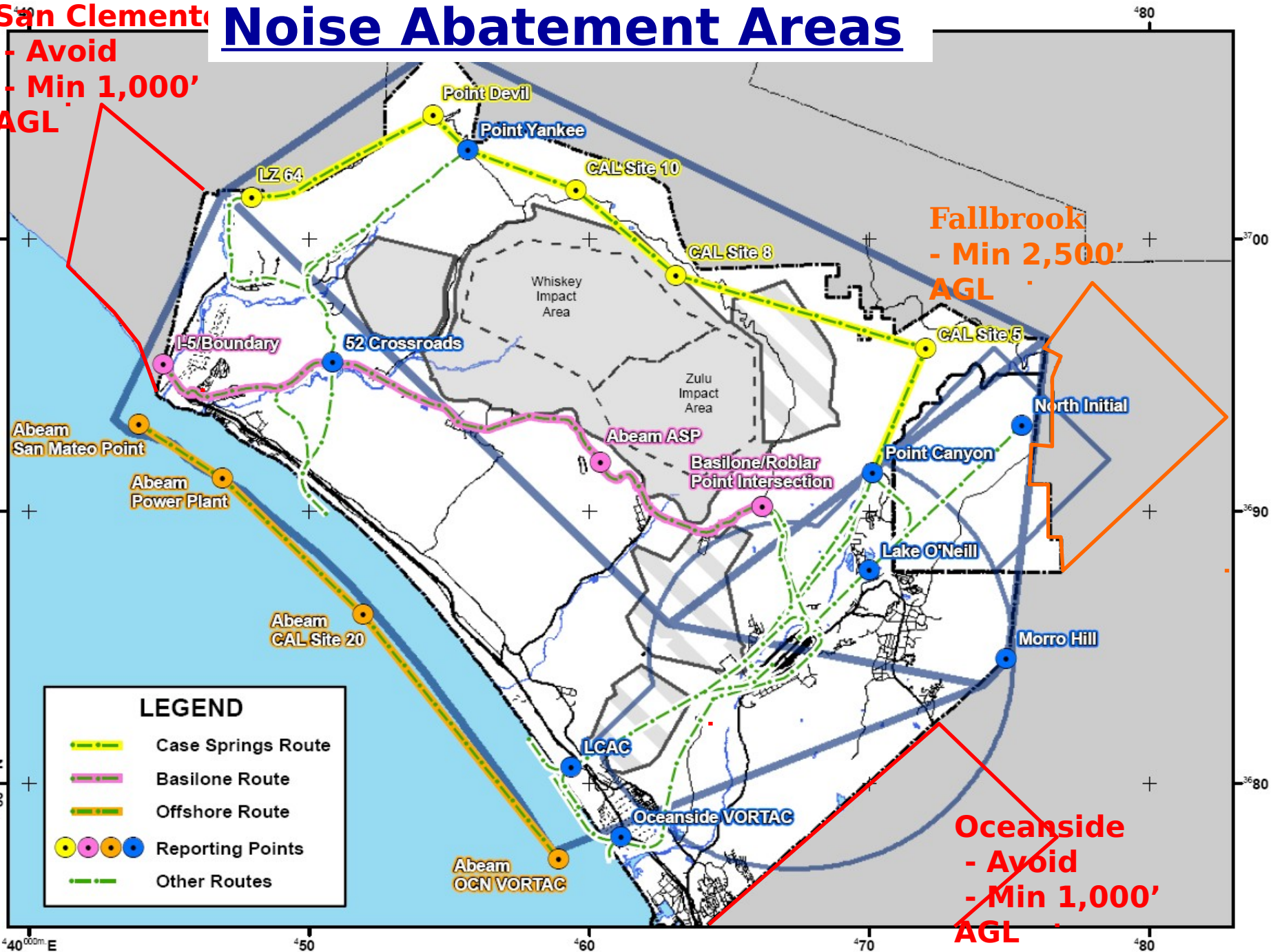
- Avoid
- Min 1,000'
AGL

Fallbrook
- Min 2,500'
AGL

Oceanside
- Avoid
- Min 1,000'
AGL

LEGEND

- Case Springs Route
- Basilone Route
- Offshore Route
- Reporting Points
- Other Routes



No Over Flight Areas

- San Onofre Nuclear Generating Station
- Endangered Species Nesting Areas
 - Beach Section G
 - Beach Section E
 - Riverbeds/ Streams below 300' (15 March -15 Sept)
 - Estuaries/ Lagoons below 300' (15 March -15 Sept)
- Minimum 500' flying over personnel, housing, San Onofre State Beach, Naval Hospital, MCB Golf Course, Ammunition Supply Point

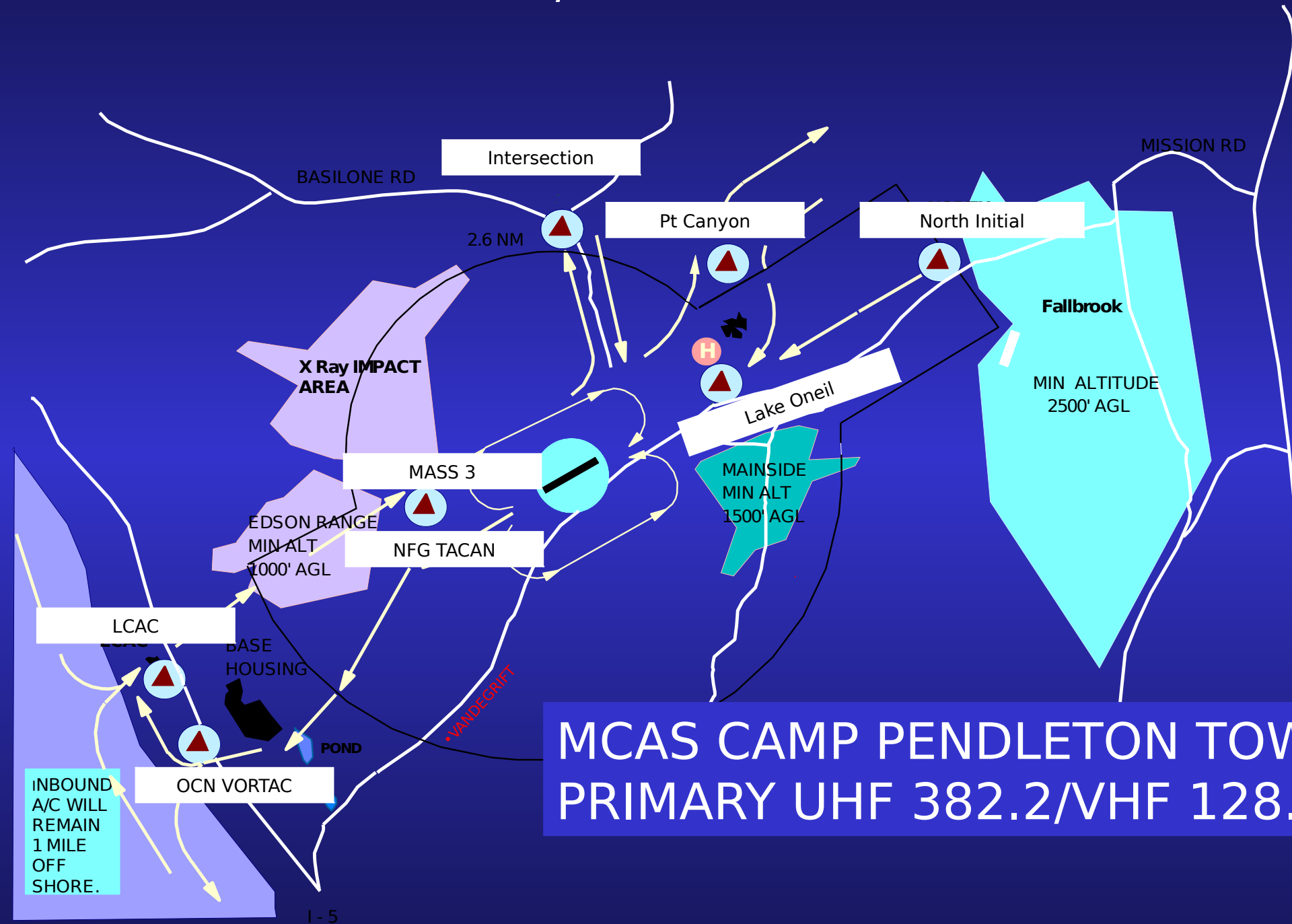


MCAS Camp Pendleton

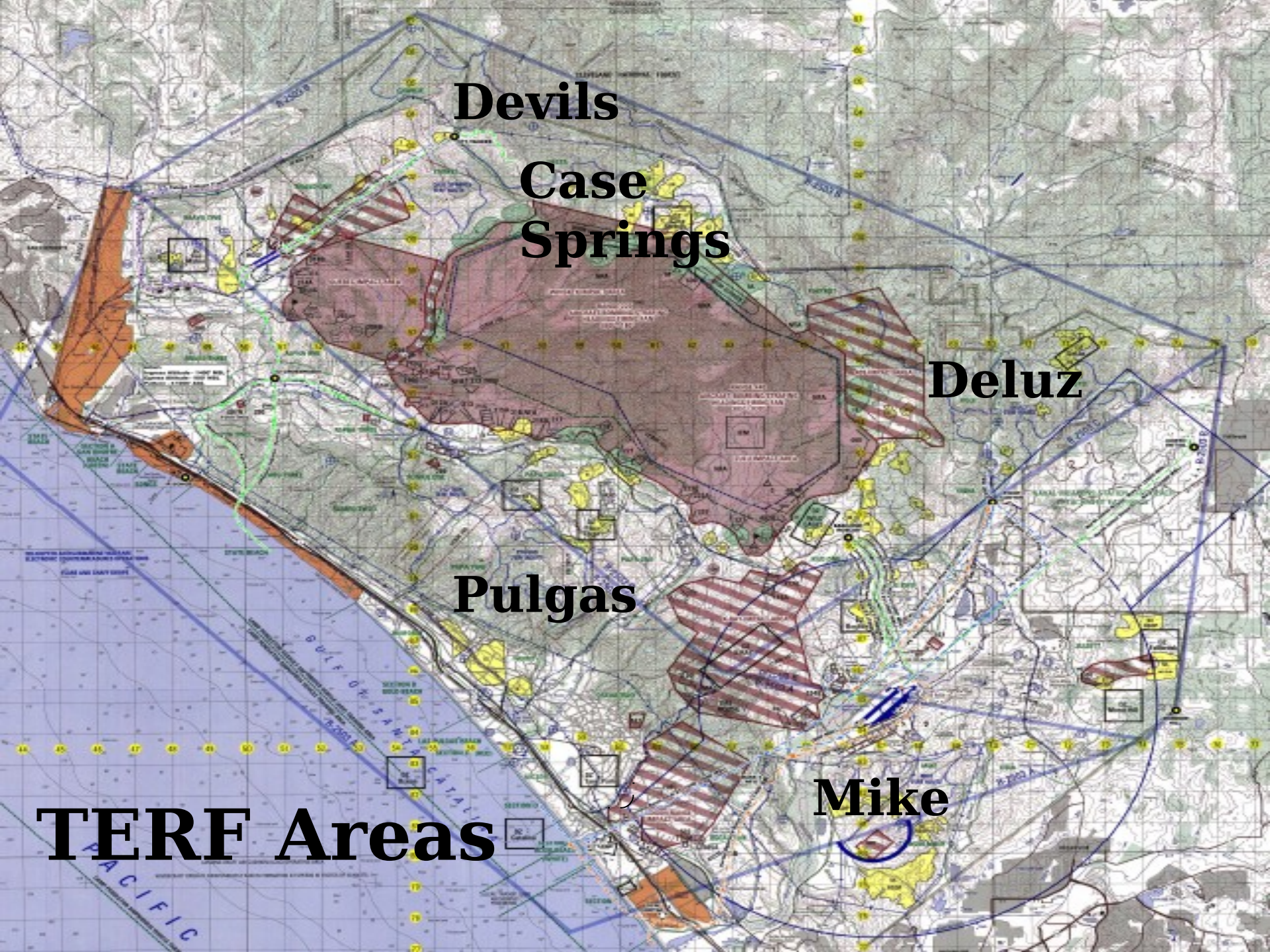
Class D

Class E

RUNWAY 21 VFR ARRIVAL / DEPARTURE ROUTES



TERF Maneuver Areas/ Routes



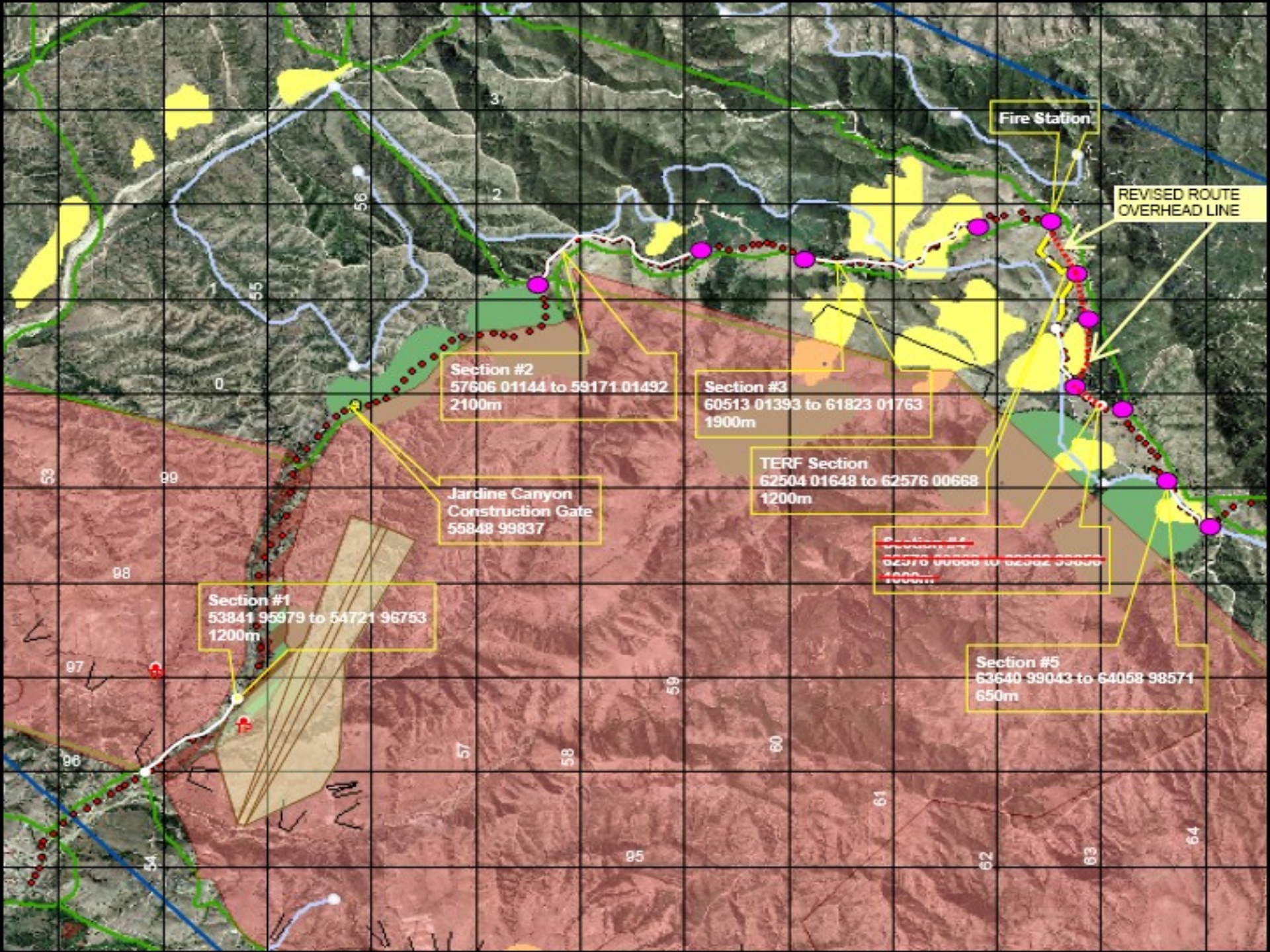
Devils
Case Springs

Deluz

Pulgas

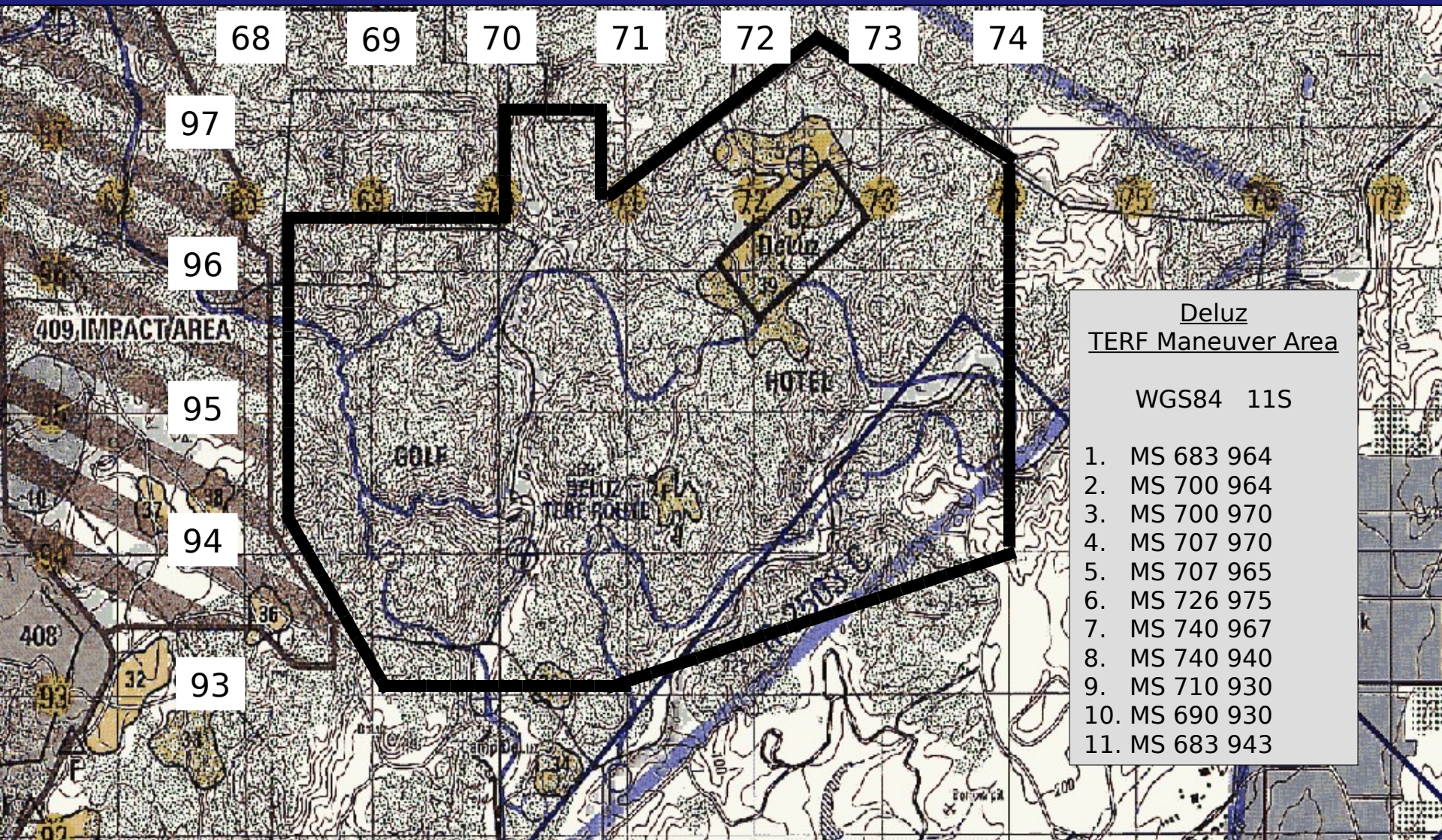
Mike

TERF Areas



- A/C transitioning over a TERF Route/Area shall maintain at or above 1,200' AGL.
- TERF Routes/Areas must be scheduled prior to use. (BO P3500.1N, Chapter Three)
- Portions of the De Luz TERF Route may not be used when R409A is in a "HOT" status
- Camp Pendleton Military Installation Map depiction of TERF routes is not completely accurate. Consult range Special Instructions.

Deluz TERF Maneuver Area



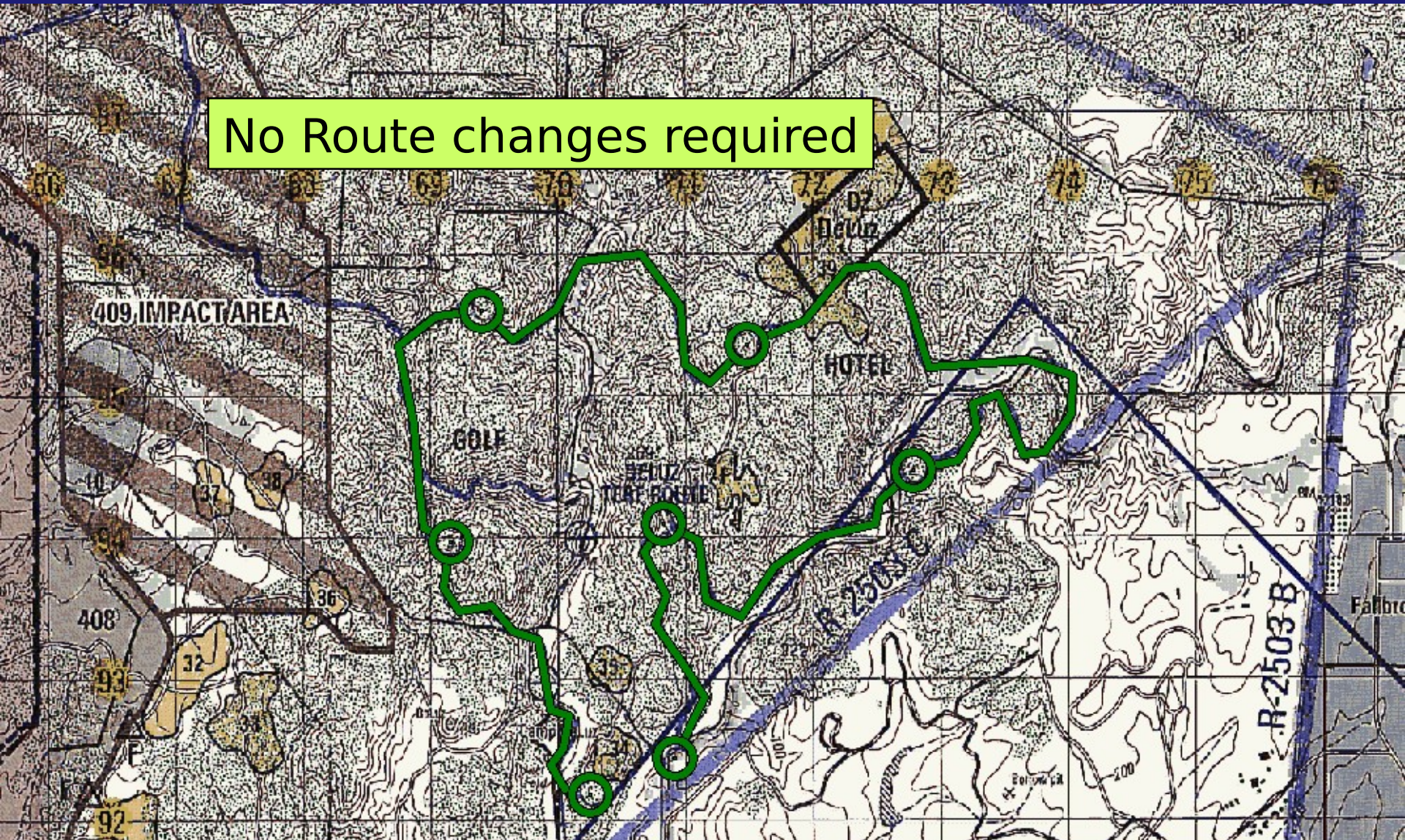
Deluz TERF Maneuver Area

WGS84 11S

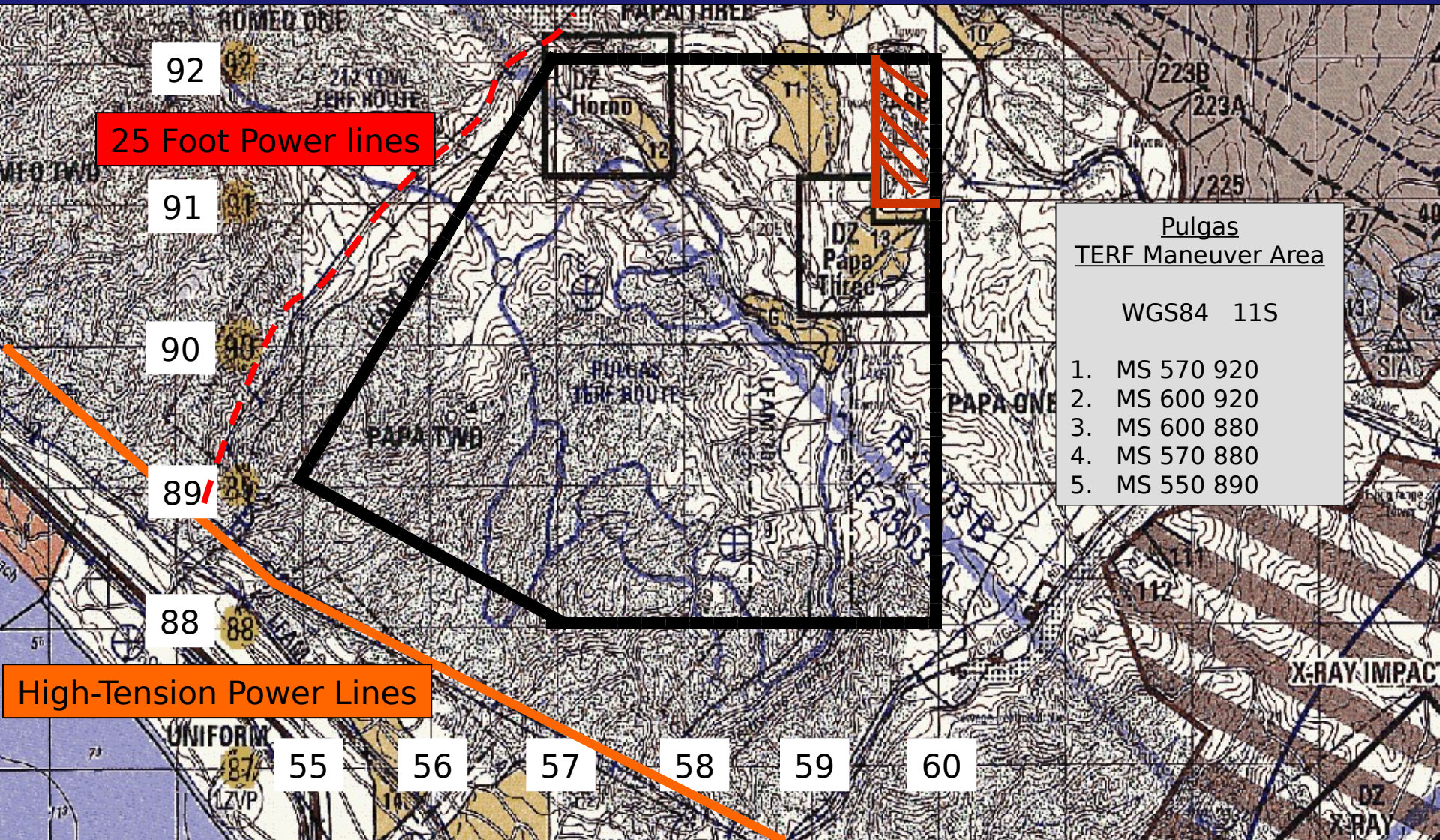
1. MS 683 964
2. MS 700 964
3. MS 700 970
4. MS 707 970
5. MS 707 965
6. MS 726 975
7. MS 740 967
8. MS 740 940
9. MS 710 930
10. MS 690 930
11. MS 683 943

Deluz TERF Route

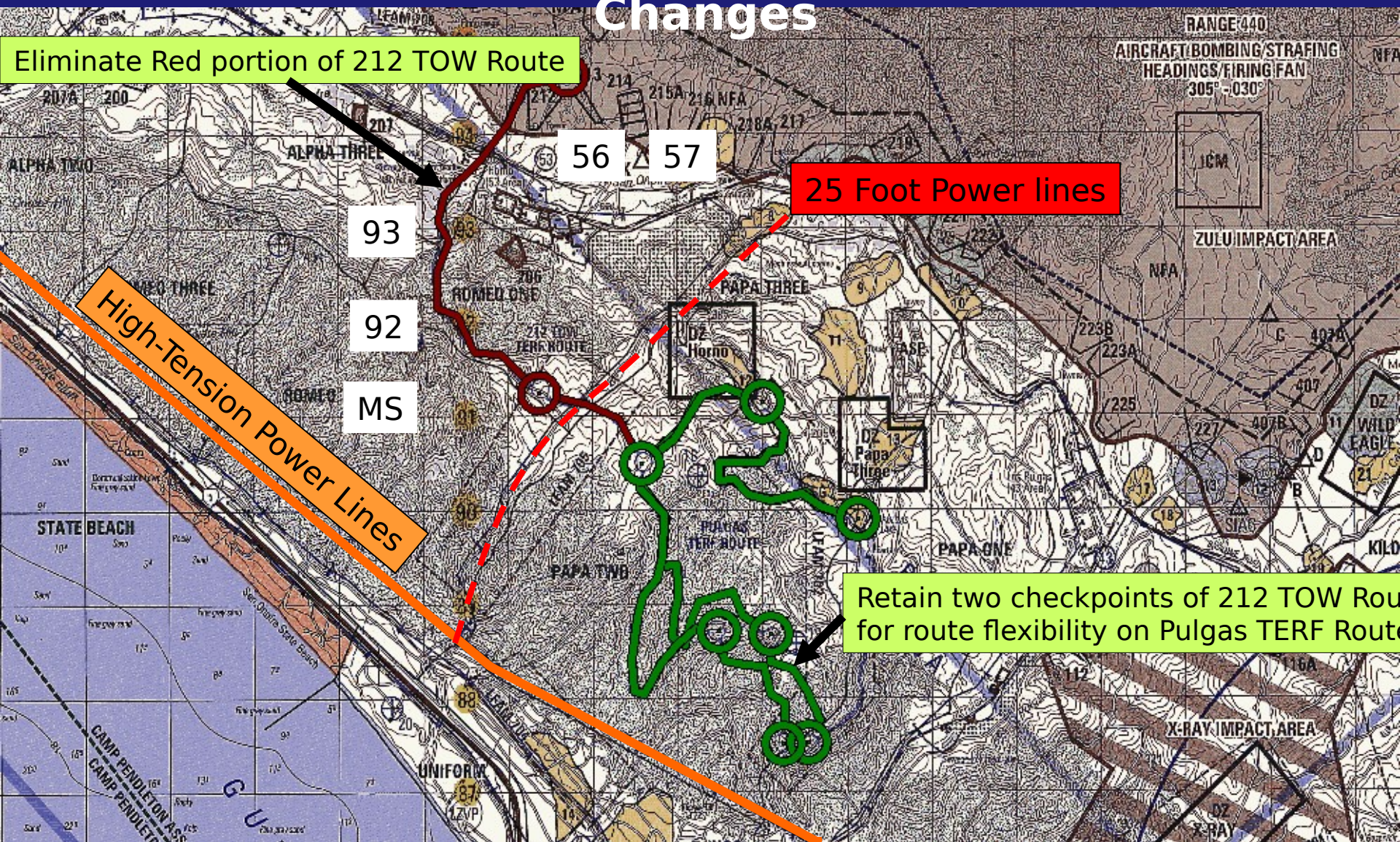
No Route changes required



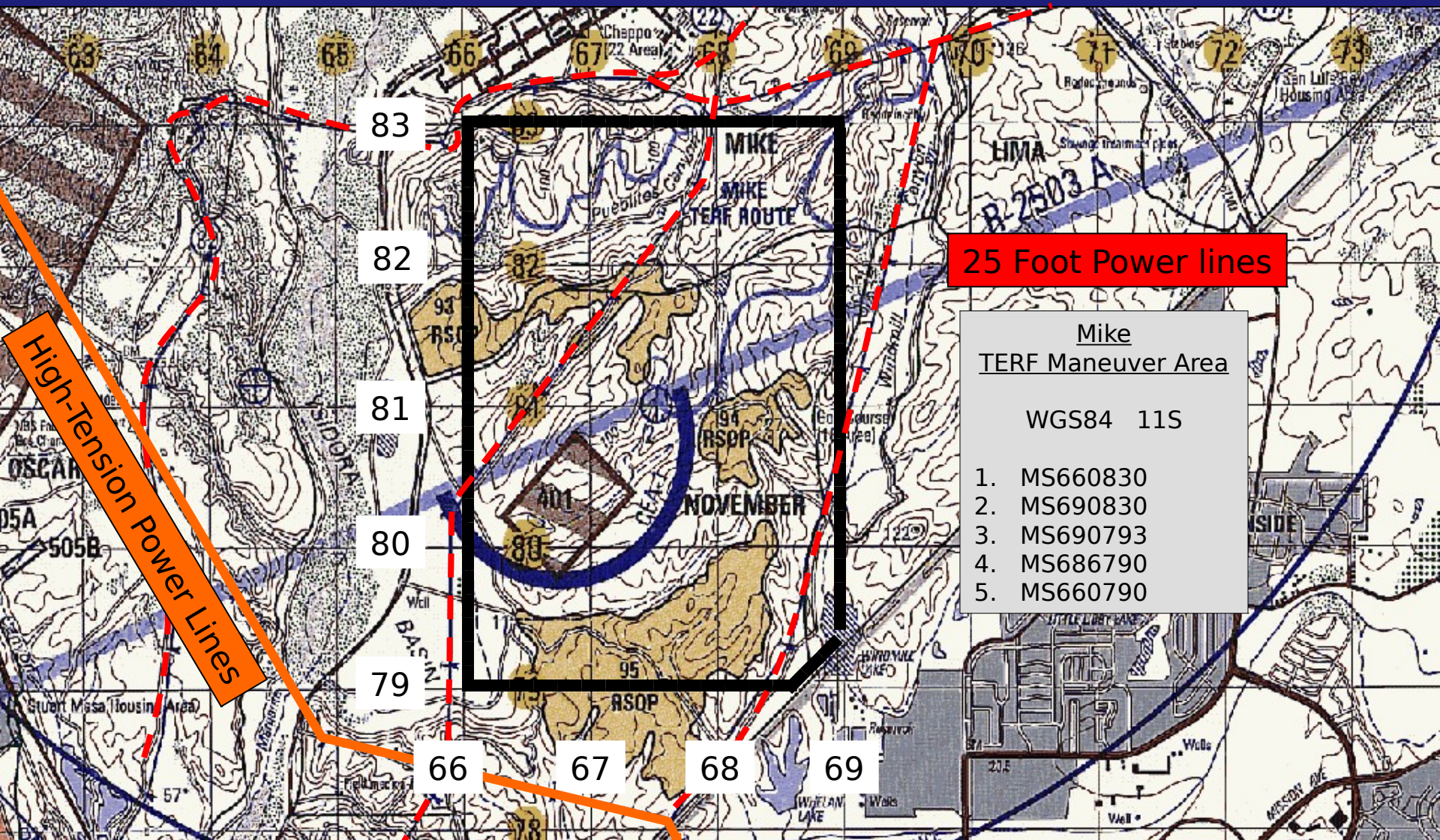
Pulgas TERF Maneuver Area



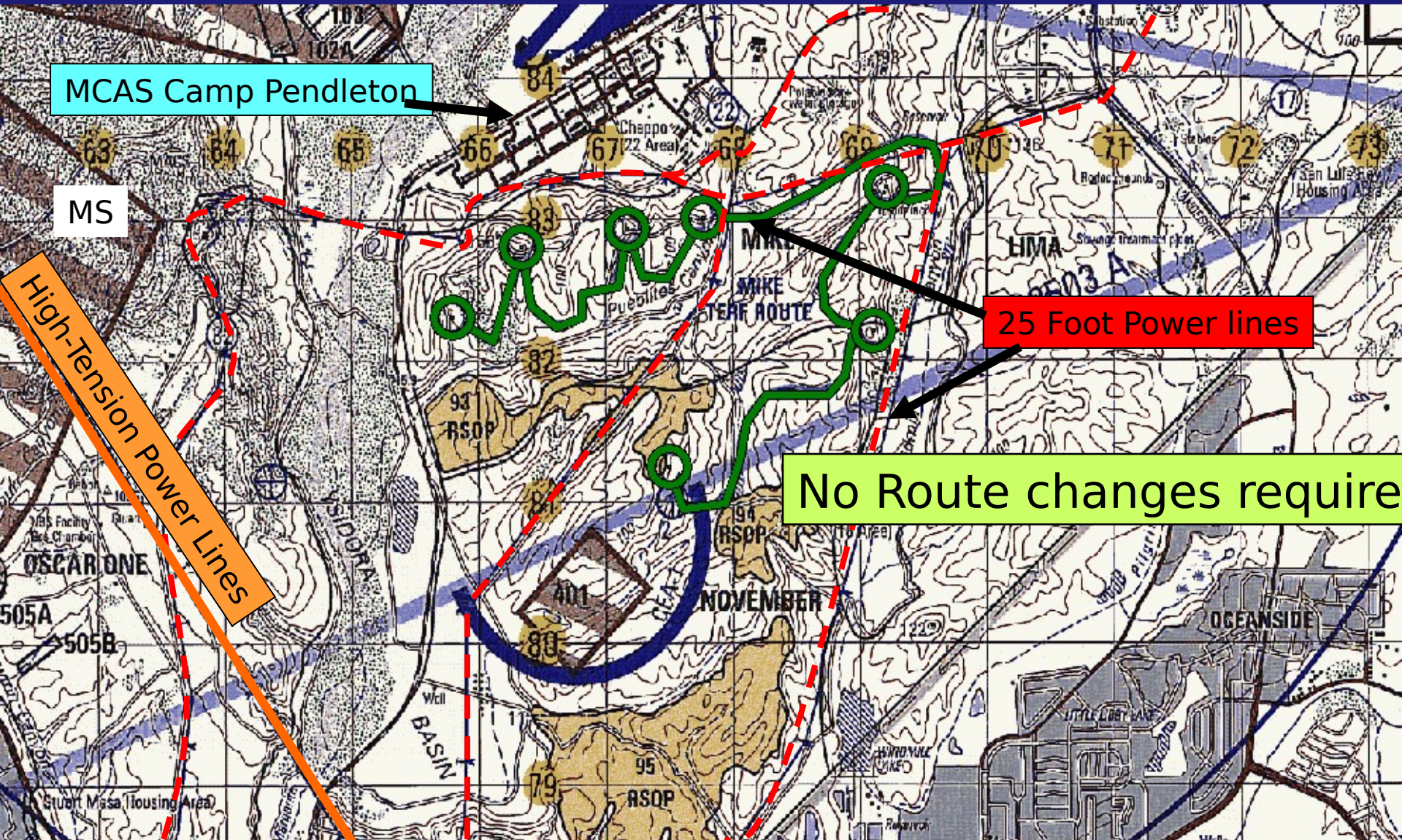
Pulgas / 212 TOW TERF Route Changes



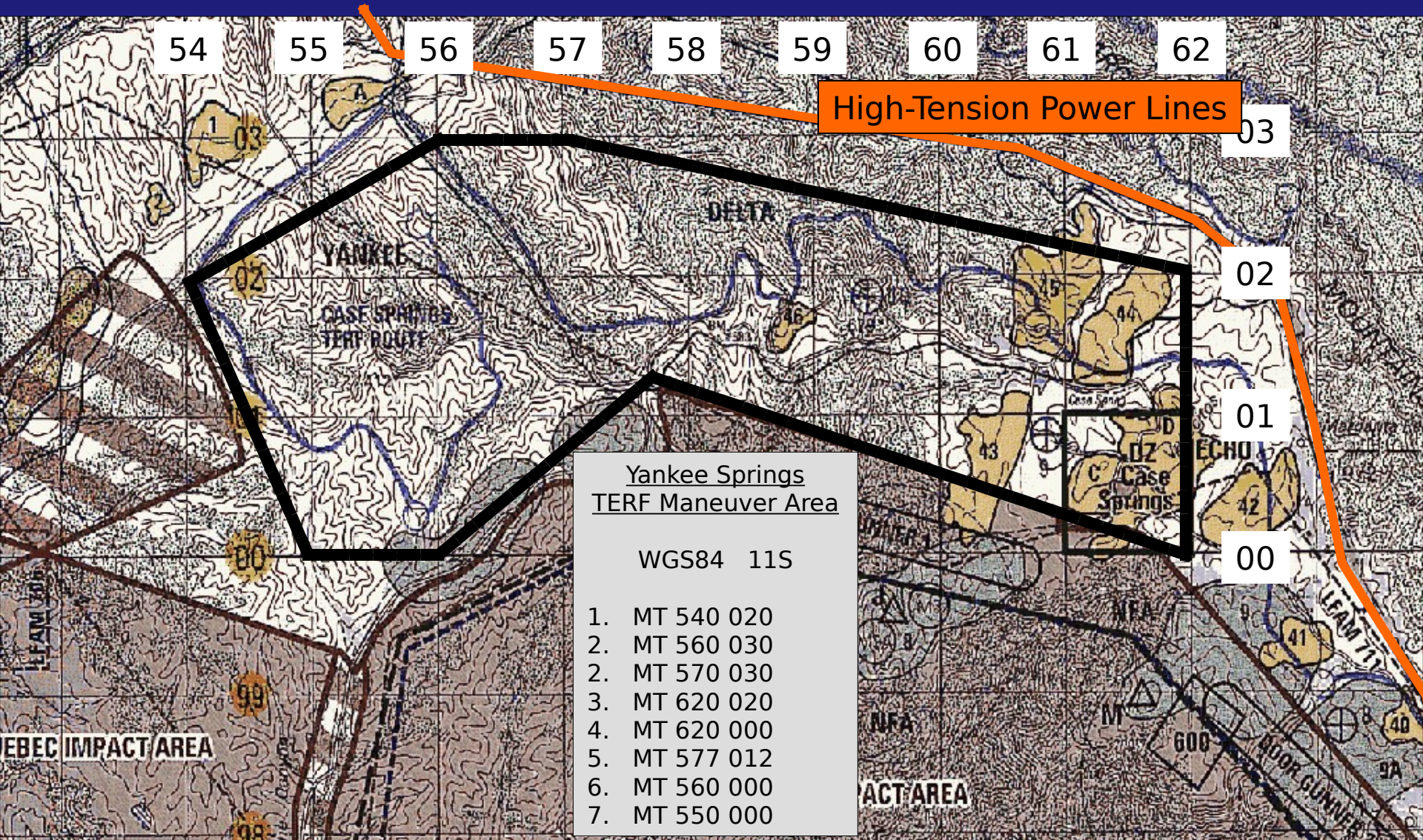
Mike TERF Maneuver Area



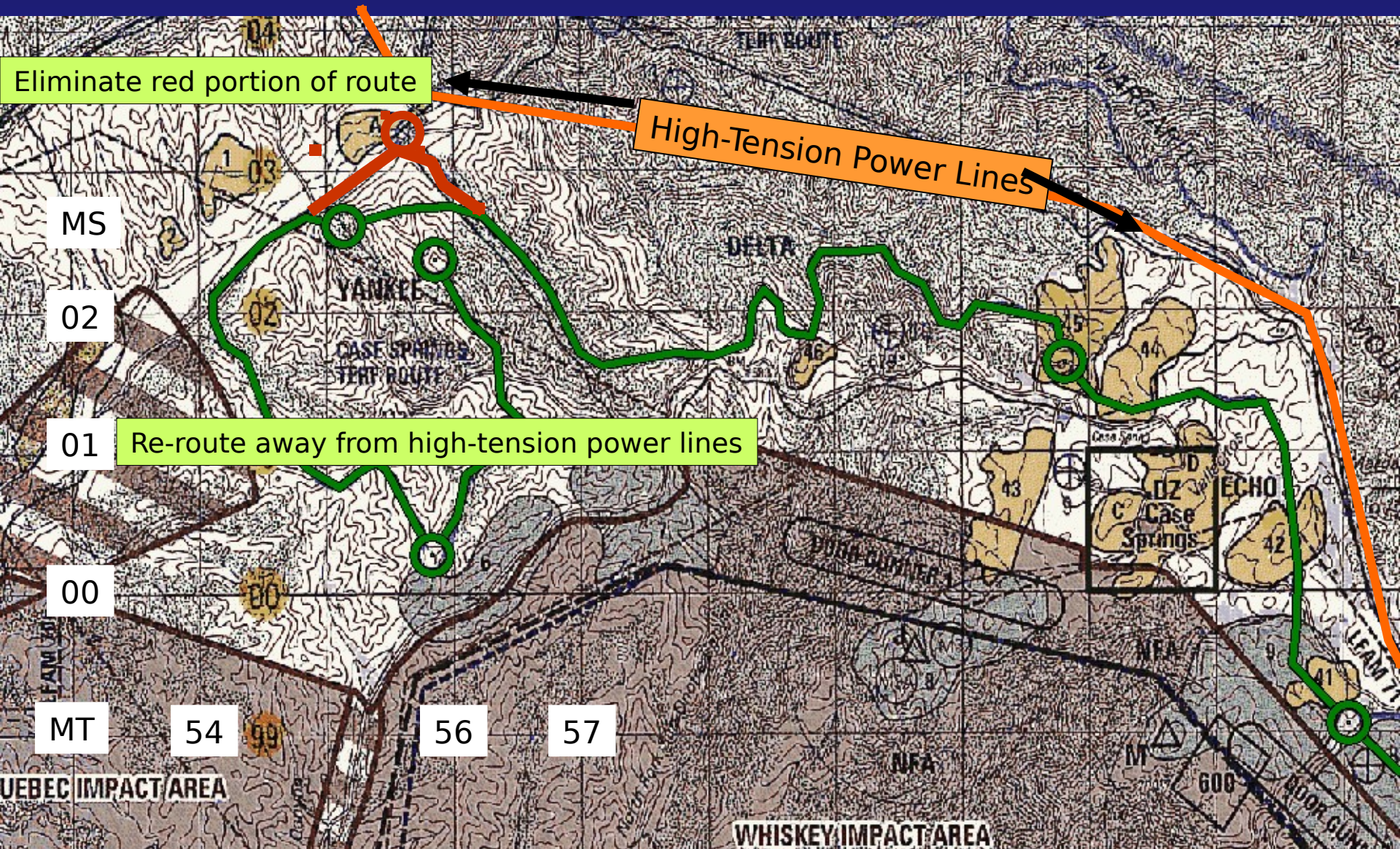
Mike TERF Route



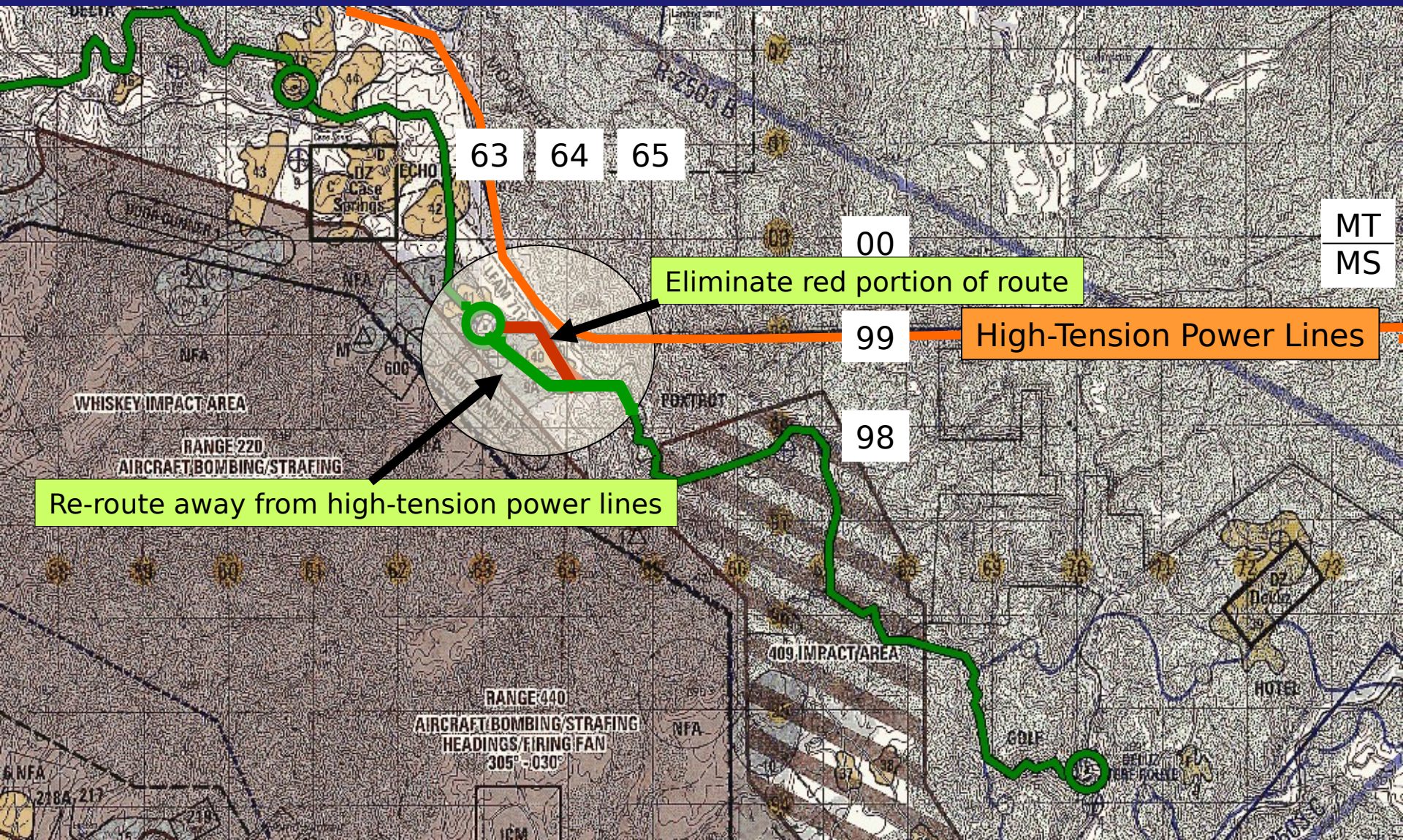
Case Springs TERF Maneuver Area



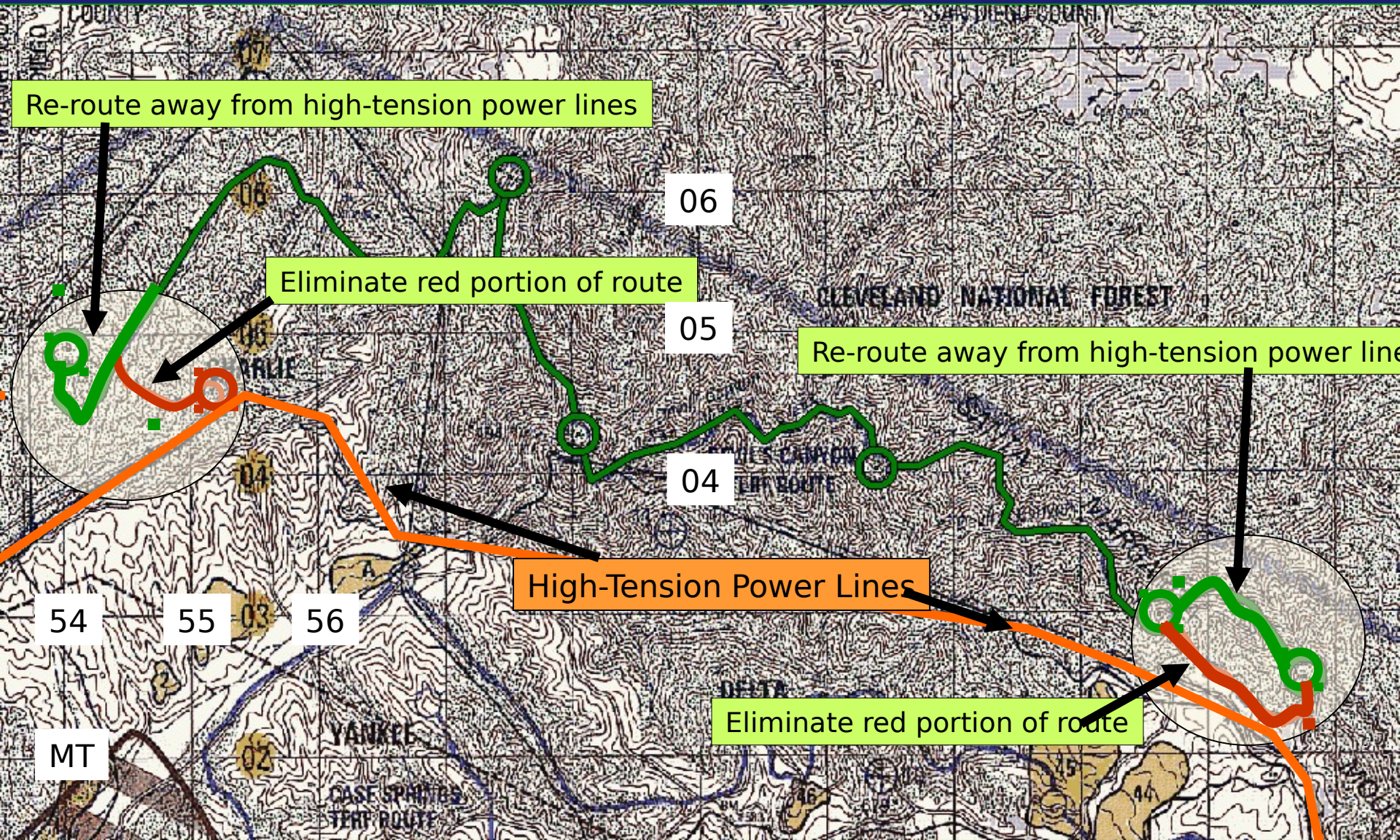
Case Springs TERF Route Changes



Case Springs TERF Route Changes



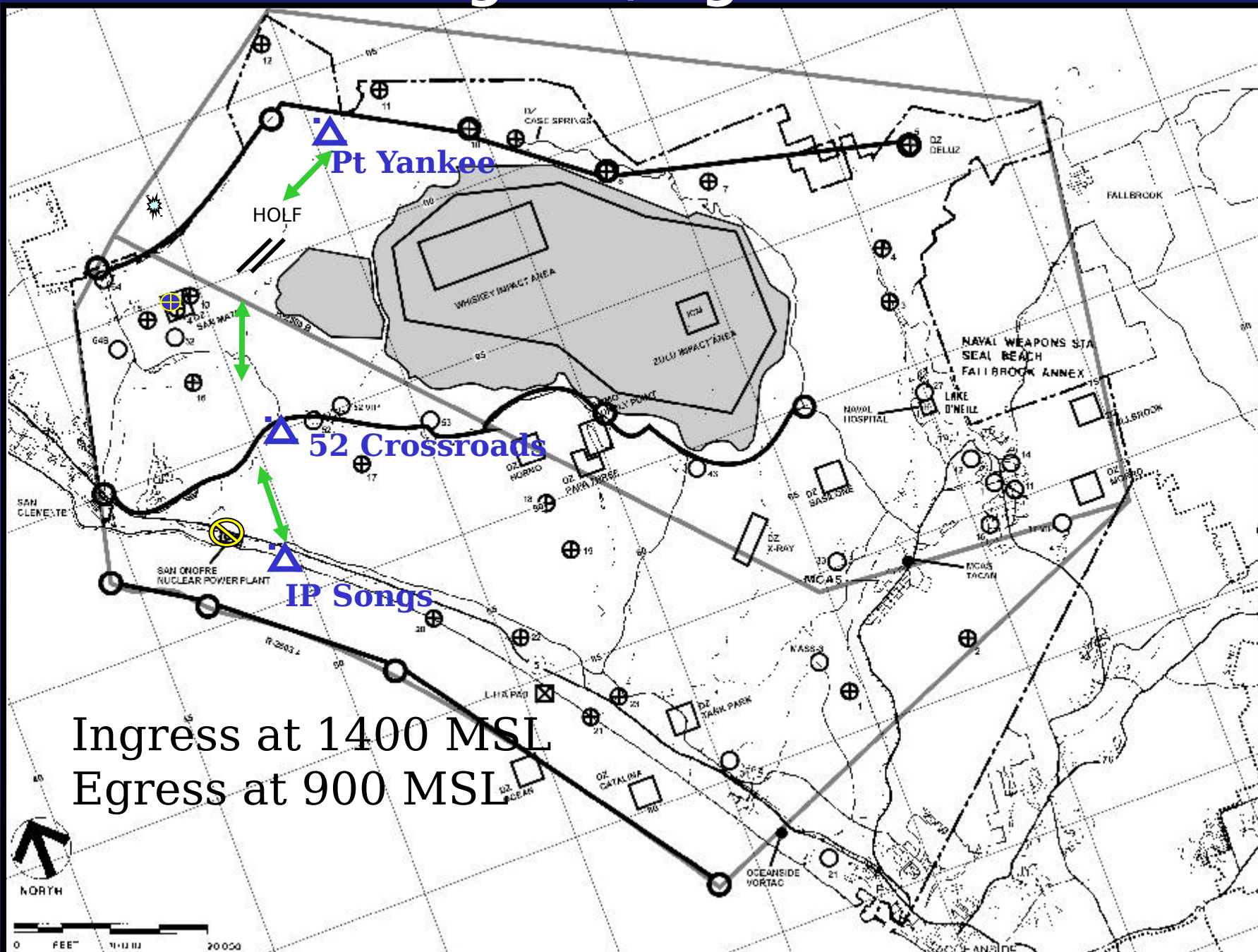
Devil's TERF Route Changes



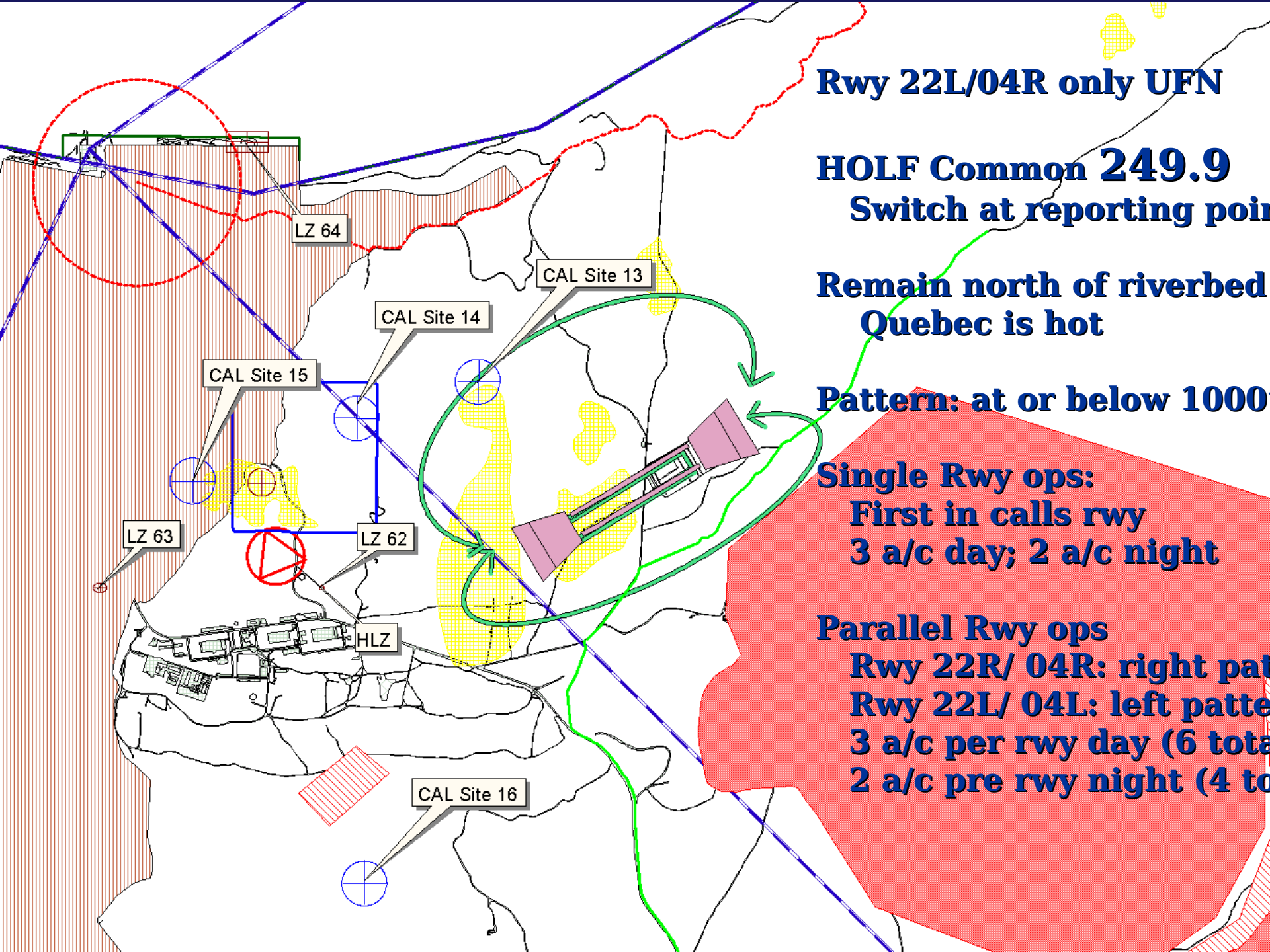
HOLF

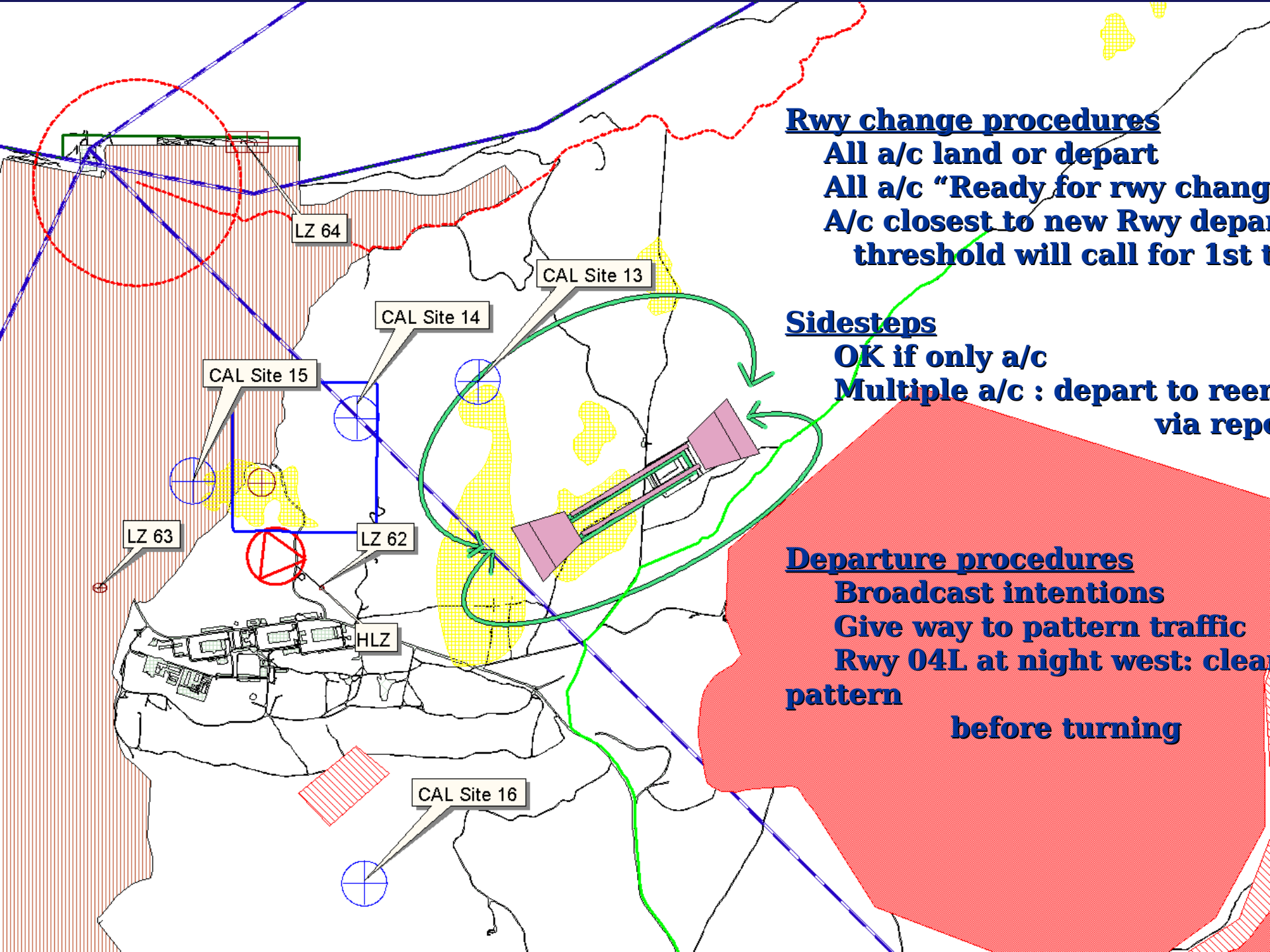
- **3d MAW has HOLF priority**
 - Consolidated 3d MAW submission to Range Scheduling by 10th of month
 - HOLF is “Scheduled only”
 - Individual squadrons can schedule up to day prior
- **Other ops**
 - Artillery
 - Quebec Impact Area
 - Airfield seizure
 - Maintenance

HOLF Ingress/ Egress



Parallel Rwy ops
Rwy 22R/ 04R: right pattern
Rwy 22L/ 04L: left pattern
3 a/c per rwy day (6 total)
2 a/c pre rwy night (4 total)



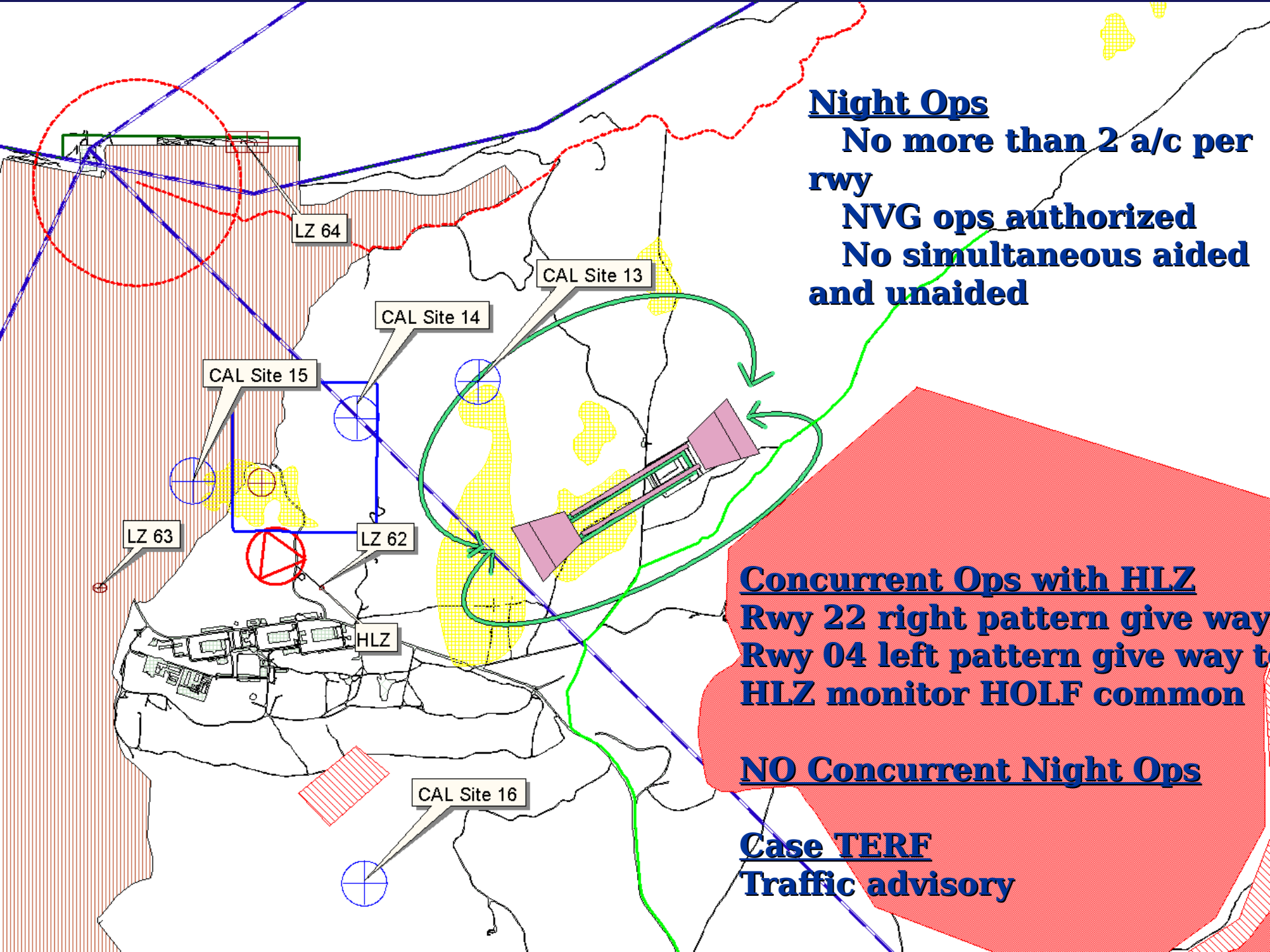


Night Ops

**No more than 2 a/c per
rwy**

NVG ops authorized

**No simultaneous aided
and unaided**



Concurrent Ops with HLZ

Rwy 22 right pattern give way

Rwy 04 left pattern give way to

HLZ monitor HOLF common

NO Concurrent Night Ops

Case TERF

Traffic advisory

Conflicts

**AFAs 1,2,3,4,6,7, A, I,
LFAM 706,710
Calsites 13,14,15
LZ 62, 63
Case TERF
HLZ (night)
DZ San Mateo
Fixed wing @ IP SON**

Advisories

Quebec/ R-300/ LZ 52

LFAM 710A (Live Fire Convoy Course)

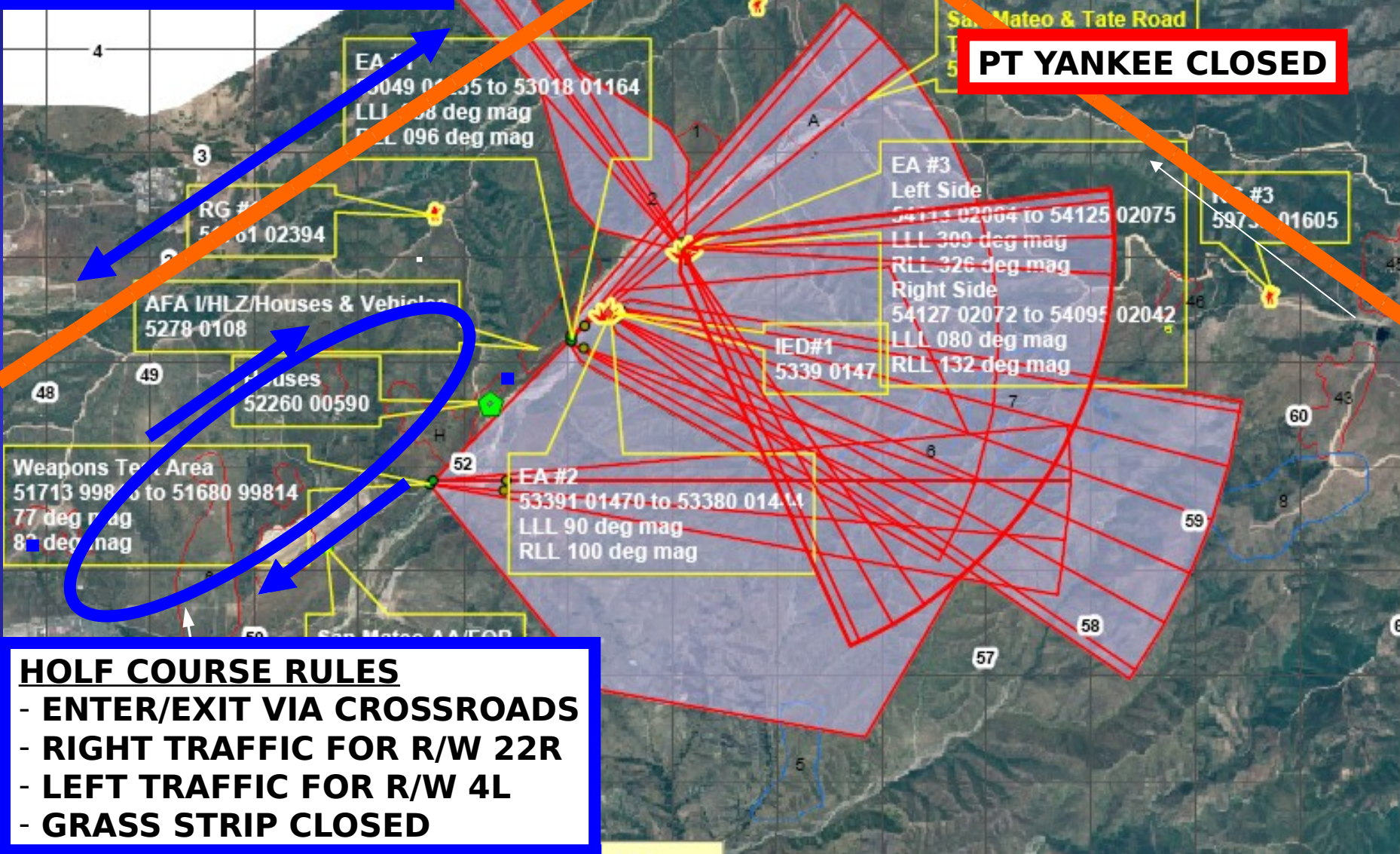
AVIATION COURSE RULES

1. When LFAM 710A (Live Fire Convoy Course) is in a HOT status, **aircraft must remain clear of the ground-fired weapons Surface Danger Zones** (SDZs).
2. Aircraft may use the HOLF, but must remain clear of the LFAM 710A SDZ,s.
 1. Use right traffic for R/W 22R / left traffic pattern for R/W 4L.
 2. Use the paved runway ONLY – the **Grass Strip is CLOSED**.
3. **Point YANKEE is CLOSED**; enter/exit the HOLF via the CROSSROADS ONLY.
4. Aircraft transitioning North-east around the LFAM 710A SDZ must **transition North of the powerlines in Talega Canyon** (along Talega Canyon Road) **at or below 500' AGL**.

**TRANSIT NORTH OF
POWERLINES $\leq 500'$ AGL**

POWERLINES

PT YANKEE CLOSED



HOLF COURSE RULES

- ENTER/EXIT VIA CROSSROADS
- RIGHT TRAFFIC FOR R/W 22R
- LEFT TRAFFIC FOR R/W 4L
- GRASS STRIP CLOSED

Helo CAS/ Aerial Gunnery

- **Ranges:**
 - **Zulu, Whiskey, R409A**
- **Zulu Air Priority Days**
 - **Wed & Thurs, 1st 3 weeks of month**
- **Whiskey**
 - **Schedule (14-17, 20-23 Mon-Fri Whiskey)**
- **R409A requires detailed brief submission to RCO 14 days prior scheduled event**

Helo CAS/ Aerial Gunnery

- **Pre-brief ordnance load from land line to Longrifle**
- **Check-In with Longrifle**
 - **Primary 301.9**
 - **Secondary 255.2/ 249.9/ 300.1/ 123.2**
- **Longrifle will ask “Verify you have read and understand the range regulations and special instruction for range 220/ 440”**
- **All other schemes of maneuver must be coordinated with Range Control Officer 7 days prior**

Helo CAS/ Aerial Gunnery

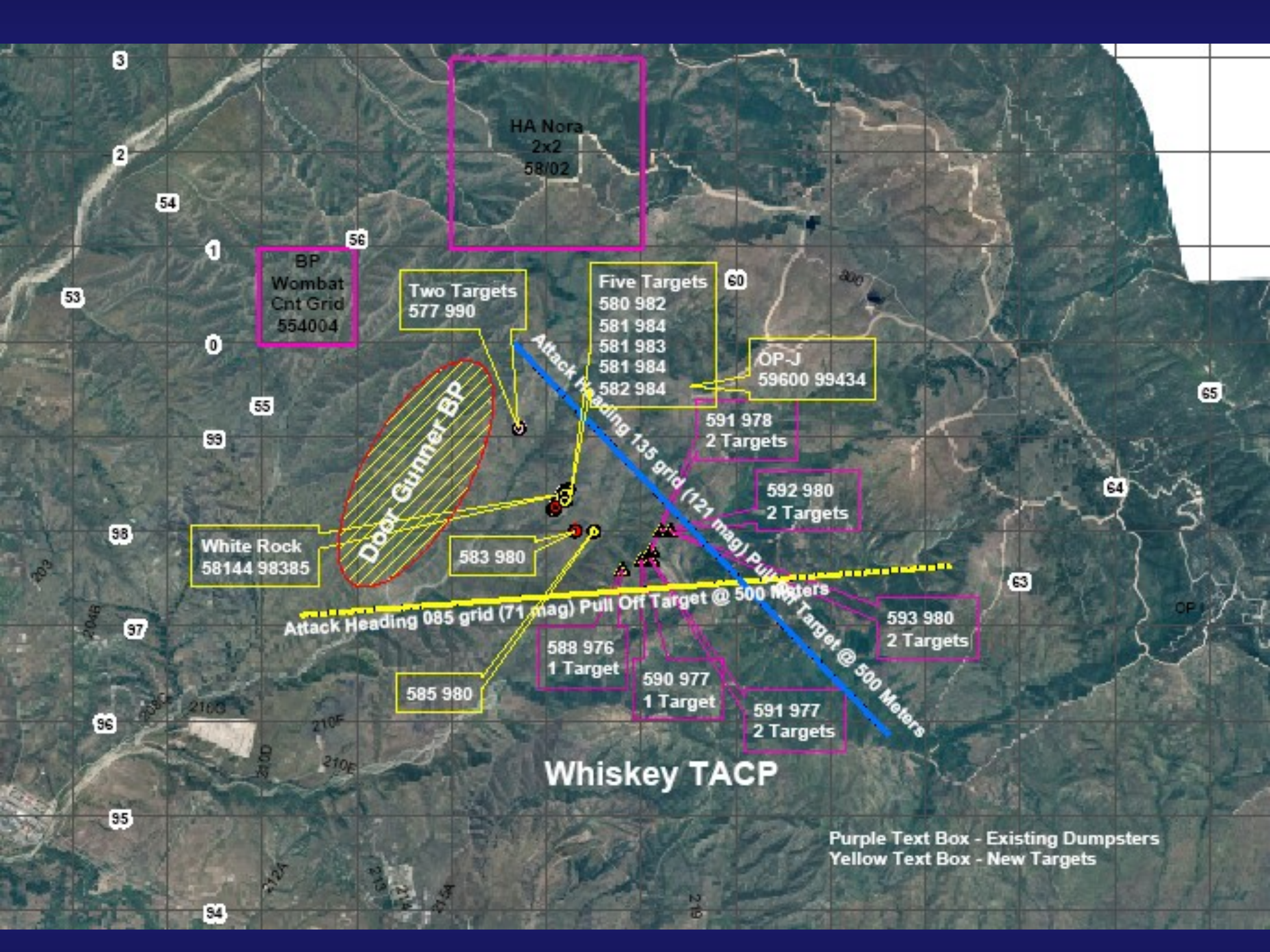
- **Must conduct “Cold Pass”**
- **All CAS will be Type I with mark**
- **At no time will ordnance delivery begin prior to Aviation Ordnance Delivery Line**
- **Final run-in heading in accordance with SPINS (Disregard headings on Installation Map)**
- **Although “cold”, surrounding ranges may be occupied**

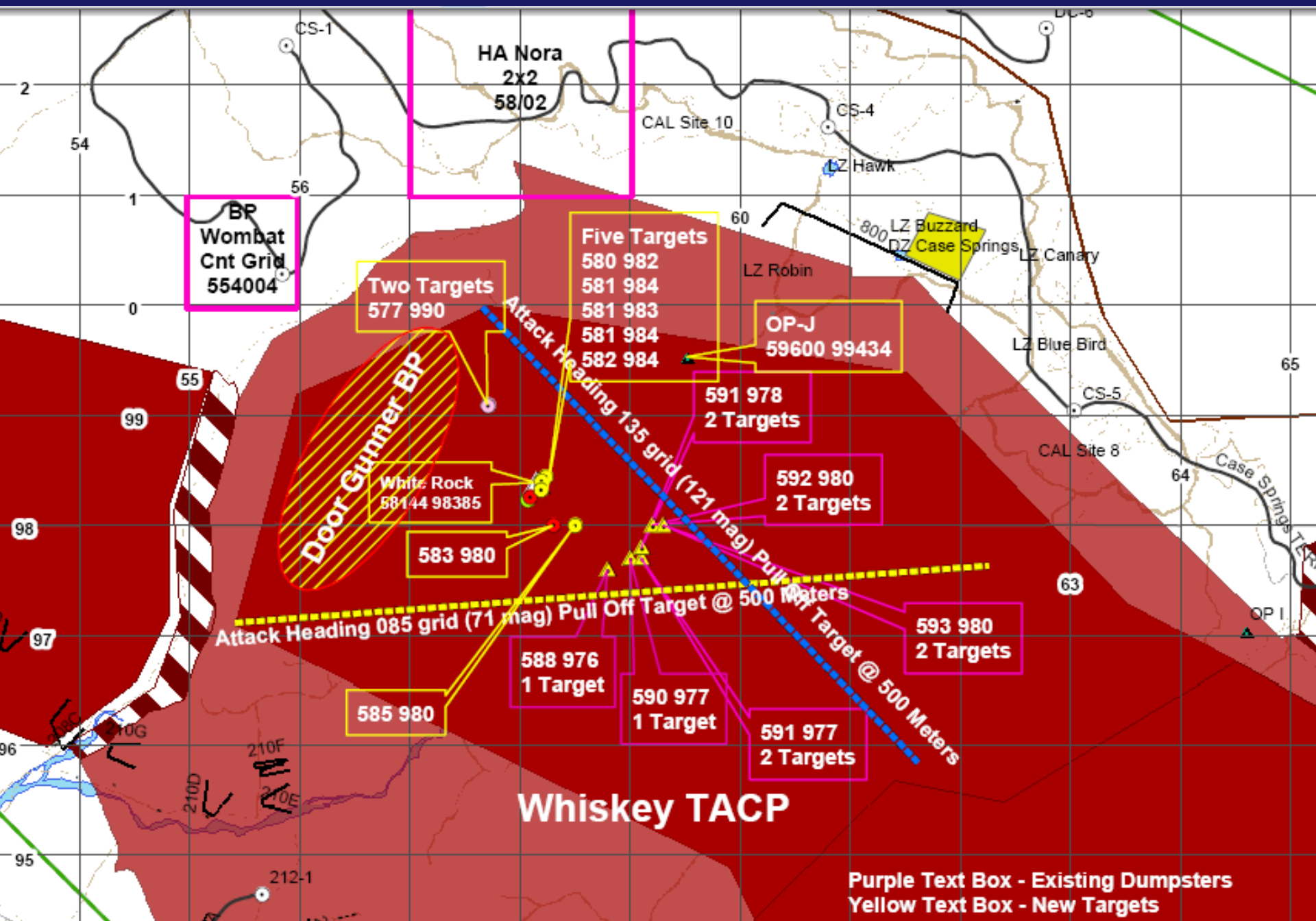
VIEW FROM OP ALPHA

ZULU IMPACT AREA

AVIATION ORDNANCE
DELIVERY LINE

A wide-angle photograph of a desert landscape. In the foreground, there are rolling hills with sparse, dry vegetation. In the middle ground, a line of small, light-colored objects, possibly ordnance, is visible on the horizon. A white arrow points from the text 'AVIATION ORDNANCE DELIVERY LINE' to this line of objects. In the background, there are several ranges of mountains under a cloudy sky.

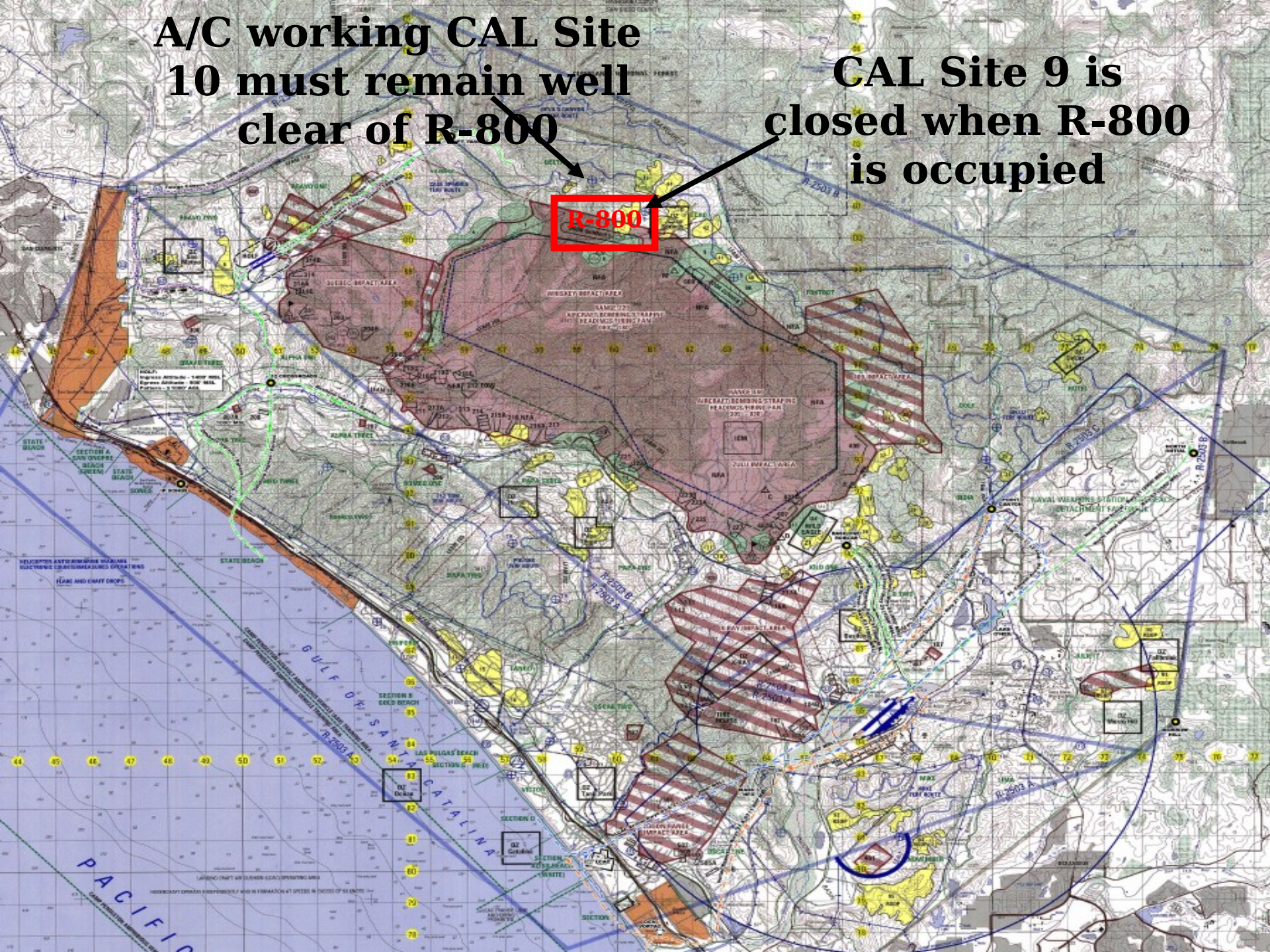




R-800



CAL Site 9 is closed when R-800 is occupied



Aviation Ordnance Delivery Lines

GRID

Zulu (from West to East):

6090 9270 to 6390 9070 to 6590 9270

Whiskey (from East to West):

6150 9940 to 5770 0000 to 5590 9960

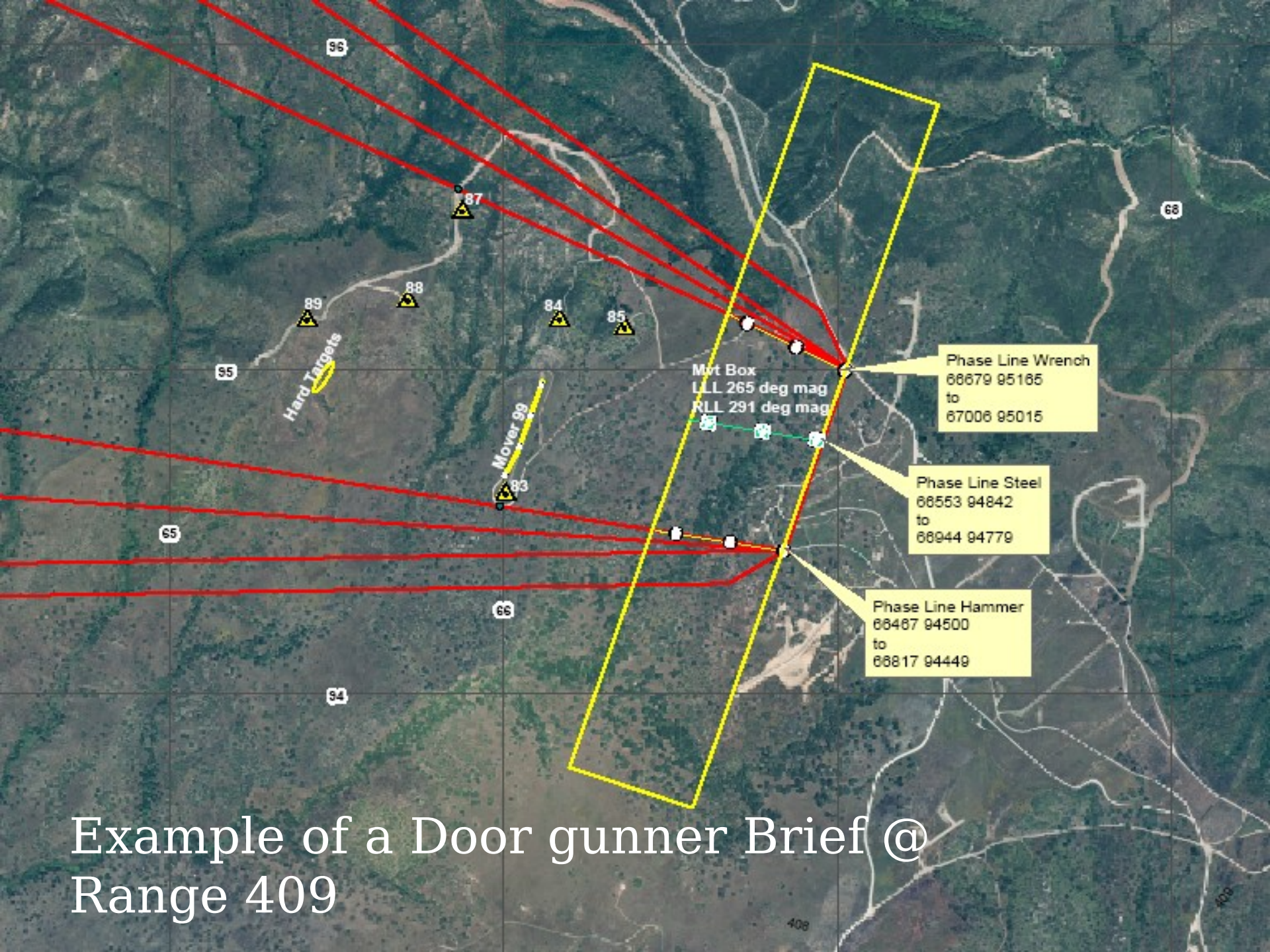
LAT LONG

Zulu (from West to East):

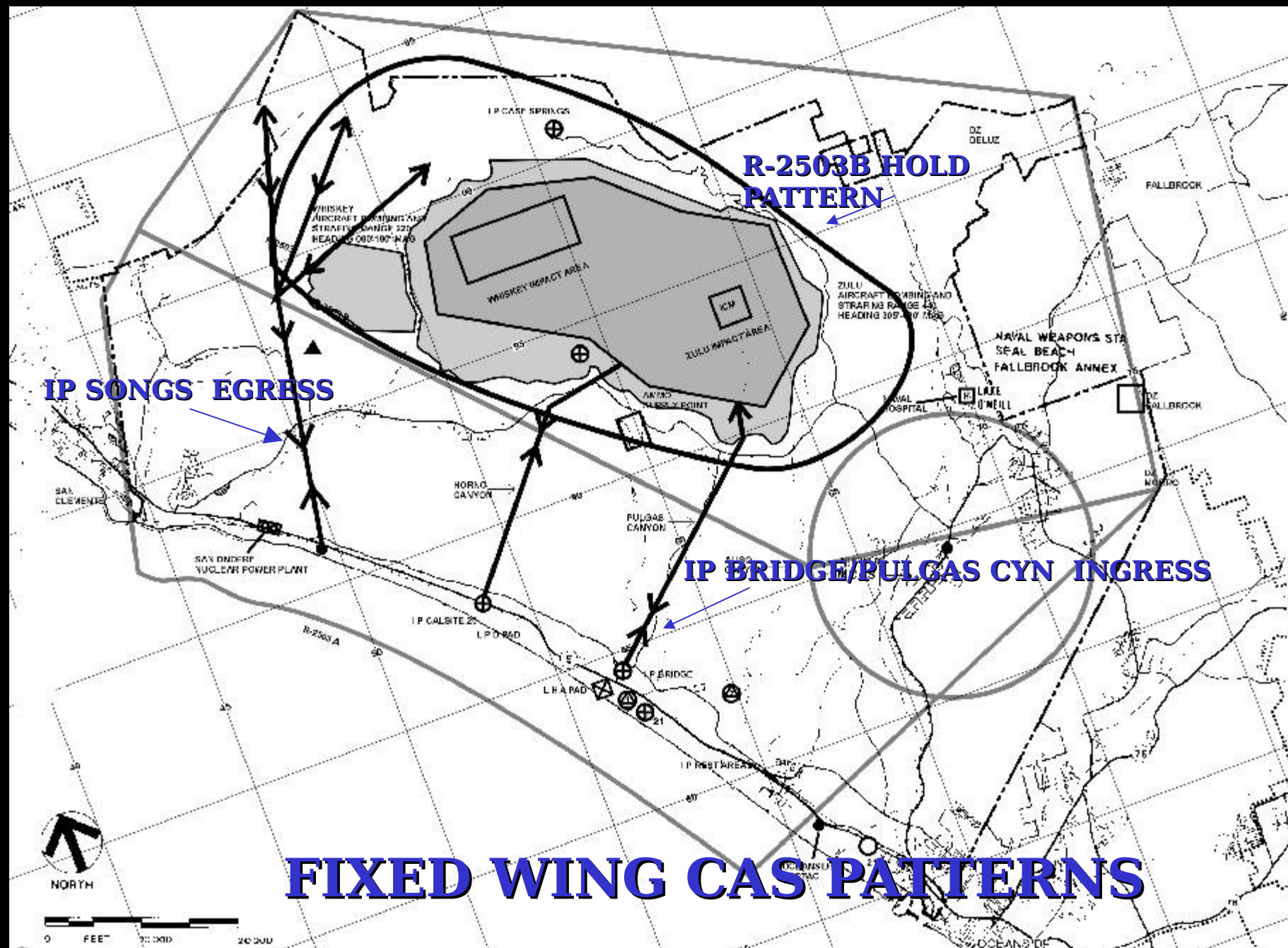
**33°22'22.22" -117°25'13.20", 33°21'17.66" -117°23'16.81",
33°22'22.83" -117°21'59.70"**

**Whiskey (from East to West): 33°25'59.85" -117°24'51.01",
33°27'48.43"**

-117°27'01.70", 33°26'05.57" -117°28'27.92"



Example of a Door gunner Brief @
Range 409





RANGE OPERATIONS DIVISION

FIRE DANGER RATING 66 VERY HIGH



Tuesday, 5 Aug 2008

DOCUMENTS

MARINE CORPS
ORDERS
BASE ORDERS
LASER SURVEY
AVIATION
FACILITY SURVEY
MORTAR SOP
TAR
SDZ's

Pictures

Lists

Contacts
Tasks

Discussions

General Discussion

Surveys

RCB

LONGRIFLE

TSD

MTB

SAFETY

SOUMs

USMC POCKET GUIDE

SAMPLE ORM

AMMO NAR/AIN

BO 3500.1N (RTA SOP)

GENERAL

MISSION

CONTACT INFO

BRIEFS

RSCC INFO

INTERNAL

T/O

MORNING REPORT

GME STATUS

LEAVE CALENDER

Links

- Marksmanship Training Branch
- RFMSS
- MARINET RSO DL COURSE
- TECOM/RTAM (Requires Password)
- Weapons System Data
- Range Operations Division Internet

TRAINING CONDITIONS

Campen Weather

FDR Restrictions

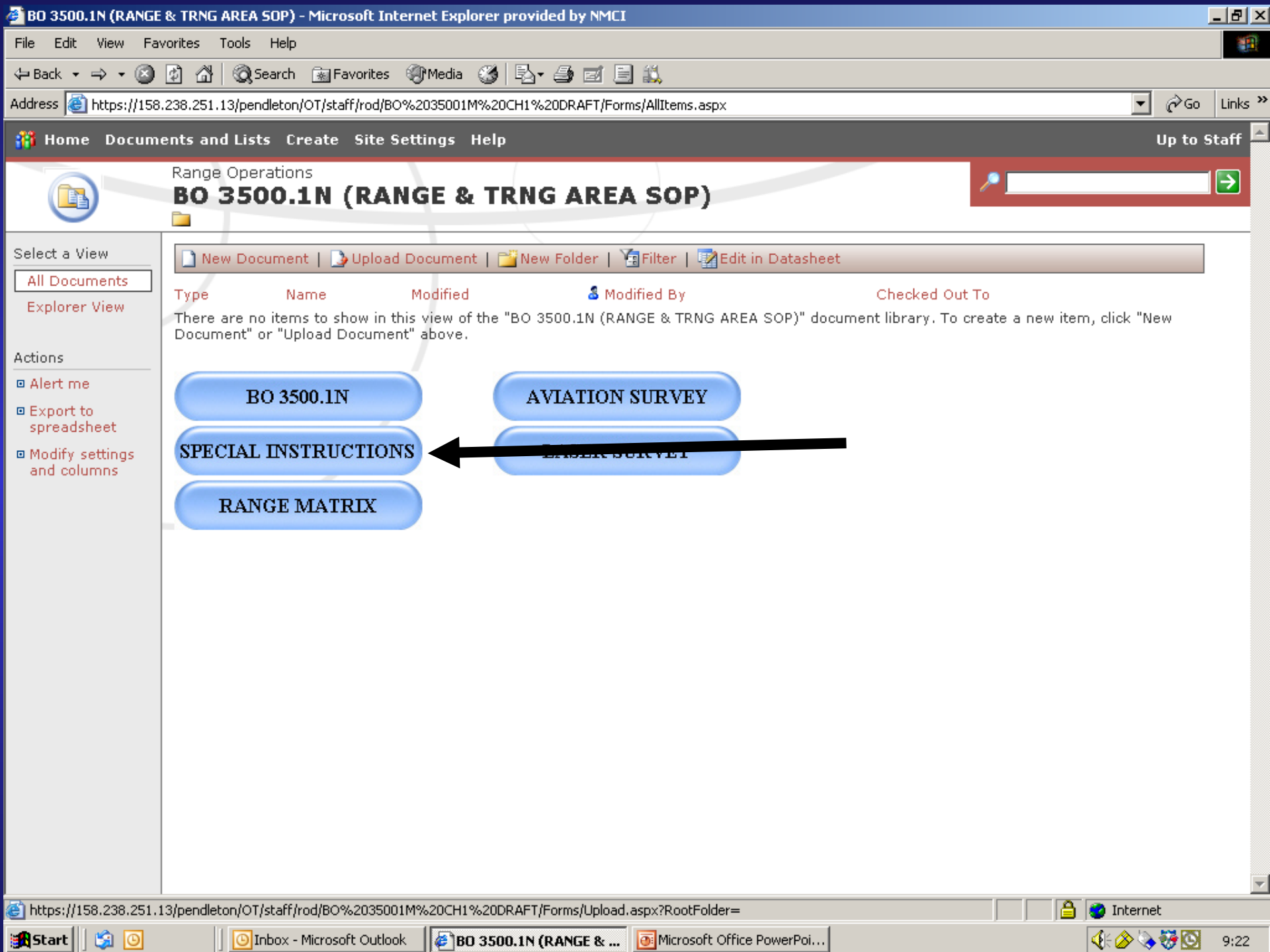
Road & River Report

Range Bulletin

Noise Report

Range and Training Area SOP

<https://158.238.251.13/pendleton/OT/staff/rod/default.aspx>



SPECIAL INSTRUCTIONS - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address https://158.238.251.13/pendleton/OT/staff/rod/SPECIAL%20INSTRUCTIONS/Forms/AllItems.aspx Go Links

Home Documents and Lists Create Site Settings Help Up to Staff

Range Operations

SPECIAL INSTRUCTIONS

Select a View

All Documents Explorer View

Actions

Alert me Export to spreadsheet Modify settings and columns

New Document Upload Document New Folder Filter Edit in Datasheet

Type	Name	Modified	Modified By	Checked Out To
Folder	100 Series	2/19/2008 17:02	joe.vaineharrison	
Folder	116 Complex	8/20/2008 17:47	joe.vaineharrison	
Folder	130 Complex	3/12/2008 10:20	joe.vaineharrison	
Folder	200 Series	7/21/2008 19:21	joe.vaineharrison	
Folder	300 Series	2/25/2008 8:14	joe.vaineharrison	
Folder	400 Series	7/11/2008 12:34	joe.vaineharrison	
Folder	Aviation	8/3/2008 8:28	joe.vaineharrison	
Folder	Combat Towns	6/19/2008 9:35	joe.vaineharrison	
Folder	Demo Ranges	9/11/2007 15:08	joe.vaineharrison	
Folder	Grenade	1/30/2007 8:03	joe.vaineharrison	
Folder	KD Ranges	10/15/2007 15:50	joe.vaineharrison	
Folder	MCCS	5/16/2007 12:38	joe.vaineharrison	
Folder	R208C and 210 Series	2/12/2008 18:30	joe.vaineharrison	
Folder	Special Instructions	4/3/2008 9:35	james.bone	
Folder	TACP and CAS	8/20/2008 12:04	joe.vaineharrison	

General Aviation/TERF Info

Aerial Gunnery

Start

Inbox - Microsoft Outlook SPECIAL INSTRUCTION... Microsoft Office PowerPoi...

Internet 9:21

- **Aircrews that have not received a current Air Range Safety Brief will be limited to transiting Camp Pendleton's Restricted Airspace; no training activity will be allowed.**
- **Aircrew that do not comply with local course rules or appear to be unfamiliar with local procedures shall be directed to depart Camp Pendleton's Restricted Airspace.**

Questions

- **Call us if you need help:**
 - **DSN 365-0355/ 3510**
 - **COM (760) 725-0355/ 3510**
 - **FAX (760) 725- 4090**
 - **E-Mail:**
Joe.vaineharrison@usmc.mil
 - **ROD Intranet web site**
 - **<https://158.238.251.13/pendleton/OT/staff/rod/default.aspx>**

Marine Corps Base Camp Pendleton, California

Supporting our mission...*TRAINING*
MARINES!

